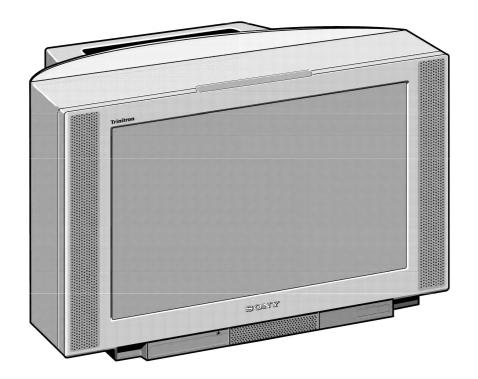


### **SERVICE MANUAL**

### AE-5 CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO.	MODEL	COMMANI	DER	DEST	CHASSIS NO.
KV-28FX60	<b>4</b> RM-891	Italian	SCC-Q12D-A	KV-32FX60	A RM	-891	Italian	SCC-Q12B-A
KV-28FX60	<b>B</b> RM-891	French	SCC-Q13D-A	KV-32FX60	B RM	-891	French	SCC-Q13B-A
KV-28FX60	RM-891	AEP	SCC-Q11D-A	KV-32FX60	<b>D</b> RM	-891	AEP	SCC-Q11B-A
KV-28FX60	RM-891	Spanish	SCC-Q14D-A	KV-32FX60	<b>E</b> RM	-891	Spanish	SCC-Q14B-A
KV-28FX60	RM-891	OIRT	SCC-Q16F-A	KV-32FX60	<b>K</b> RM	-891	OIRT	SCC-Q16A-A
KV-28FX60	<b>R</b> M-891	OIRT	SCC-Q16E-A	KV-32FX60	R RM	-891	OIRT	SCC-Q16B-A
KV-28FX60	RM-891	UK	SCC-Q15C-A	KV-32FX60	<b>U</b> RM	-891	UK	SCC-Q15B-A







TRINITRON ® COLOR TV

SONY®

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
Italian	B/G/H,D/K	GERMAN Stereo	ITALIA VHF: A-H2 (C) UHF: 21-69 PAL B/G/H VHF: E2-E12 UHF: E21-E69 CABLE TV (1): S1-S41 CABLE TV (2): S01-S05,M1-M10,U1-U10 DK VHF: R01-R12 UHF: R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
French	B/G/H, D/K,L,I	GERMAN/NICAM Stereo	L VHF: F02-F10 UHF: F21-F60 CABLE: B-Q B/G/H VHF: E2-E12 UHF: E21-E69 CABLE TV (1): S1-S41 CABLE TV (2): S01-S05, M1-M10, U1-U10 ITALIA VHF: A-H2 (C) UHF: 21-69 I UHF: B21-B69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
AEP	B/G/H, D/K	GERMAN Stereo	PAL B/G/H/ VHF: E2-E12: E21-E69 CABLE TV (1): S1-S41 CABLE TV (2): S01-S05, M1-M10, U1-U10 ITALIA VHF: A-H2 (C) UHF: 21-69 D/K VHF: R01-R12 UHF: R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
Spanish	B/G/H, D/K	GERMAN/NICAM Stereo	PAL B/G/H/ VHF: E2-E12: E21-E69 CABLE TV (1): S1-S41 CABLE TV (2): S01-S05, M1-M10, U1-U10 ITALIA VHF: A-H2 (C) UHF: 21-69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
OIRT	B/G/H, D/K	KV-28FX60K/32FX60K GERMAN/NICAM Stereo KV-28FX60R/32FX60R GERMAN Stereo	B/G/H/ VHF : E2-E12 UHF : E21-E69 CABLE TV (1) : S1-S41 D/K VHF : R01-R12 UHF : R21-R69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
UK	I	NICAM Stereo	UHF : B21-B69	PAL NTSC4.43, NTSC3.58 (VIDEO IN)

MODEL	28FX60A	28FX60B	28FX60D	28FX60E	28FX60K	28FX60R	28FX60U
Power Consumption	132W						
MODEL	32FX60A	32FX60B	32FX60D	32FX60E	32FX60K	32FX60R	32FX60U
PowerConsumption	124W						

[PICTURE TUBE]

KV-28FX60 FD Trinitron

Approx. 71 cm (28 inches) (Approx. 66 cm picture measured

diagonally)

102 degree deflection

KV-32FX60 FD Trinitron

Approx. 82 cm (32 inches) (Approx. 76 cm picture measured

diagonally)

102 degree deflection

**Input/Output Terminals** 

[REAR]

→ 1/ → 1 21-pin Euro connector (CENELEC standard).

- Inputs for Audio and Video signals.

- Inputs for RGB.

- Outputs of TV Video and Audio signals.

⇒ 2/→S)2 21-pin Euro connector

- Inputs for Audio and Video signals.

- Inputs for S video.

- Outputs forVideo and Audio signals (selectable).

⇒ 3/→S) 3 21-pin Euro connector

Inputs for Audio and Video signals.

- Inputs for S video.

External speaker terminals : 2-pin Din (5)

[FRONT]

→ 3 Video output - phono jack

3 Audio inputs - phono jacks

→S 3 S Video input - 4 pin din

Headphone jack: stereo minijack

Sound output 2x25W (Music Power) Subwoofer 25W (Music Power)

Power requirements 220 - 240V

Dimensions

KV-28FX60 Approx 772x497x533 (w/h/d) KV-32FX60 Approx 867x564x558 (w/h/d)

Weight

KV-28FX60 Approx 42.5kg KV-32FX60 Approx 65 kg

Supplied accessories RM-891 Remote Commander (1)

IEC designated R6 battery (2)

Other features NICAM\*, FASTEXT, TOPTEXT

\* (KV-28FX60B,28FX60E,28FX60K,28FX60U,

32FX60B,32FX60E,32FX60K,32FX60U only)

[RM-891]

Power requirements 3V dc

2 batteries IEC designation

R6 (size AA)

Dimensions Approx 210x56x24mm (w/h/d)
Weight Approx 110g (Not including battery)

Design and specifications are subject to change without notice.

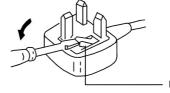
Model Name	KV-28FX60A	KV-28FX60B	KV-28FX60D	KV-28FX60E	KV-28FX60K	KV-28FX60R	KV28FX60U
Item	KV-32FX60A	KV-32FX60B	KV-32FX60D	KV-32FX60E	KV-32FX60K	KV-32FX60R	KV-32FX60U
Pal Comb	OFF						
PIP	OFF						
RGB Priority	ON						
Woofer Box	ON						
Scart 1	ON	ON	ON	ON	OFF	ON	ON
Scart 2	ON						
Front in (3)	ON						
Scart 4	ON						
Projector	OFF						
AKB in 16:9 mode	ON						
Norm B/G	ON	ON	ON	ON	ON	ON	OFF
Norm I	OFF	ON	OFF	OFF	OFF	OFF	ON
Norm D/K	ON	ON	ON	ON	ON	ON	OFF
Norm AUS	OFF						
Norm L	OFF	ON	OFF	OFF	OFF	OFF	OFF
Norm SAT	OFF						
Norm M	OFF						
Teletext	ON						
Nicam Stereo	OFF	ON	OFF	ON	ON	OFF	ON
Language Preset	Italian	French	German	Spanish	OIRT	OIRT	English

### WARNING (KV-28FX60U/32FX60U only)

The flexible mains lead is supplied connected to a **B.S. 1363** fused plug having a fuse of **5 AMP** capacity. Should the fuse need to be replaced, use a **5 AMP FUSE** approved by **ASTA** to **BS 1362**, ie one that carries the mark.

IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR THE OUTLET SOCKETS IN YOUR HOME, IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE OUTLET SOCKET.

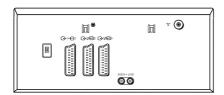
When an alternative type of plug is used it should be fitted with a **5** AMP FUSE, otherwise the circuit should be protected by a **5** AMP FUSE at the distribution board.

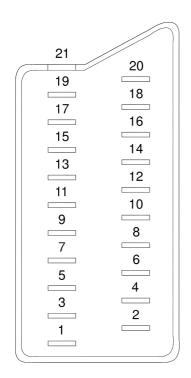


How to replace the fuse. Open the fuse compartment with a screwdriver blade and replace the fuse.

FUSE

### 21 pin connector





Pin No	1	2	4	Cienal	Signel level
	1	2	4	Signal	Signal level
1	0	0	0	Audio output B (right)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
2	0	0	0	Audio output B (right)	Standard level : 0.5V rms Output impedence : More than 10kohm*
3	0	0	0	Audio output A (left)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
4	0	0	0	Ground (audio)	
5	0	0	0	Ground (blue)	
6	0	0	0	Audio input A (left)	Standard level : 0.5V rms Output impedence : More than 10kohm*
7	0	•	•	Blue input	0.7 +/- 3dB, 75 ohms positive
8	0	0	0	Function select (AV control)	High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedence : More than 10K ohms Input capacitance : Less than 2nF
9	0	0	0	Ground (green)	
10	0	0	0	Open	
11	0	•	•	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	0	0	0	Open	
13	0	0	0	Ground (red)	
14	0	0	0	Ground (blanking)	
	0	-	-	Red input	0.7 +/- 3dB, 75 ohms, positive
15	_	0	0	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	0	•	•	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedence : 75 ohms
17	0	0	0	Ground (video output)	
18	0	0	0	Ground (video input)	
19	0	0	0	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	0	-	-	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	-	0	0	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	0	0	0	Common ground (plug, shield)	

O Connected

Not Connected (open) \* at 20Hz - 20kHz

Pin No.	Signal	Signal Level
1	Ground	
2	Ground	
3	Y (S signal) input	1V ± 3dB 75 ohm, positive Sync. 0.3V -3 + 10dB
4	C (S signal) input	0.3V ± 3dB 75 ohm, positive Sync.



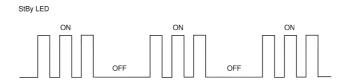
### **AE-5 SELF DIAGNOSTIC SOFTWARE**

The identification of errors within the AE-5 chassis is triggered in one of two ways:- 1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted) See table 1., non fatal errors are reported using this method.

Diagnostic Item Description	No of times Standby LED Flashes	Probable cause Location	Detected Symptoms
Power does not turn on	Does not light	Power cord is not plugged in Fuse is burned out	Power does not come on No power is supplied to the TV AC power supply is faulty
+B Overcurrent (OCP)	2 times	H.OUT (Q6803/6804) is shorted. (D Board) Linearity FET (Q6806) is shorted. (D Board) IC6604 Power IC is shorted. (D Board)	Power does not come on  Load on power line has shorted
Vertical Deflection stopped	4 times	+15V is not supplied R6835 open (D Board) -15V is not supplied R6834 open (D Board) IC6700 is shorted (D Board)	Vertical deflection pulse has stopped Power line has shorted

ERROR	LED ERROR COUNT
No error	00
Not allowed (may be confused with Sircs response flash!)	01
Over Current Protection	02
Over Voltage Protection	03
Vertical Protection	04
AKB	05
H - Protection	06
Speaker Protection	07
General IIC Line 0 error	08
MEGATEXT	09
NVM	10
Main colour decoder	11
Feature Box	12
D/A converter	13
Backend	14
Multi sound processor	15
Auto Wide	16
External RAM	17

### Flash Timing Example : e.g. error number 3



### **ERROR DETECTION MONITOR**

Device acknowledge is used to check IIC errors. Device acknowledge is checked by sending an IIC start sequence during CRT power on. Each device is checked three times, if there is no acknowledge after every attempt, it will be regarded as an error.

There are three steps to check errors

- 1. IIC line 0
  - If all devices except the NVM are errors, IIC line 0 error is displayed
- 2. Board check
  - If all devices mounted on one board have errors, board error is displayed
- 3. Each device check
  - If IIC line error and board error are not detected then the device with an error is displayed

The detected errors can be displayed as follows:

- 1. Error Monitor Menu
- 2. Error Reader

### 1. ERROR MONITOR MENU

The error monitor menu is displayed by selecting TT33. The following menu will be displayed:

# ERROR MONITOR Operating Time: 930360h 15h Saved Errors: 1. 100h = A-Board 2. 401h = BP-B CXD2069 MID 3. 704h = J-B TDA9320 Main Col Dec 4. 000h = no error occured 5. 000h = no error occured Actual Error: New error code sequence is starting Ignore Errors: [off]

### 2. ERROR READER DISPLAY

The error reader display is connected to the service connector to read actual error codes. The part number for the error reader display is S-188-900-10. Once an error has been detected it will then be displayed on the two digit error reader. The errors displayed refer to the following table:

	Send Data to	Error Reader		
Error Code	Data high	Data Low	Error type	Function
00 00h	-	f0h	no device	
Gen.IIC Error				
00 01h	f0h	01h	IIC 0 line	
00 02h	f0h	02h	IIC 1 line	not used
Board Error				
01 00h	f1h	00h	A Board	
02 00h	f2h	00h	B1 Board	
03 00h	f3h	00h	B2 Board	
04 00h	f4h	00h	BP Board	
05 00h	f5h	00h	D1 Board	
06 00h	f6h	00h	E Board	
07 00h	f7h	00h	J Board	
Device Error			1	1
A Board				
01 01h	f1h	01h	CXA1875	Port Expander
01 02h	f1h	02h	TU1326	Main Tuner
01 03h	f1h	03h	TU1350	Sub Tuner
B1 Board				1
02 01h	f2h	01h	P83C654	Feature Box
02 02h	f2h	02h	SDA9280	D/A Converter
B2 Board				
03 01h	f3h	01h	SAA4977	Basic
03 02h	f3h	02h	SAA4950	Memory
BP Board				
04 01h	f4h	01h	CXD2069	MID
D1 Board				
05 01h	f5h	01h	CXA8070	Dynamic Conv.
05 02h	f5h	02h	CXA1875	Port Expander
E Board				•
06 01h	f6h	01h	CXD2100	Backend
J Board				•
07 01h	f7h	01h	CXD2057	Auto Wide
07 02h	f7h	02h	SDA9288	PIP
07 03h	f7h	03h	TDA9320	Sub Colour
07 04h	f7h	04h	TDA9320	Main Colour
07 05h	f7h	05h	CXA1875	Sub Sound
07 06h	f7h	06h	TDA7309	HP Amp
07 07h	f7h	07h	TEA6422DT	Audio SW
07 08h	f7h	08h	MSP3410D	Sound Proc
07 09h	f7h	09h	TC9337F	Sound DSP

### **TABLE OF CONTENTS**

Secti	on	Title	Page	Section	!	Title	Page
		Warning and Caution	3	5. DI	AGRA	MS	
		Self-Diagnostic Function	5		5-1.	Block Diagram (1)	35
						Block Diagram (2)	40
1. 0	SENER	AL				Block Diagram (3)	45
		Overview	9			Block Diagram (4)	50
		First time operation	10		5-2.	Circuit Board Location	53
		Advanced Operations	11		5-3.	Schematic Diagrams and	
		Teletext	16			Printed Wiring Boards	53
						* C Board	55
2. C	DISASS	EMBLY				* J Board	63
	2-1.	Rear Cover Removal	17			* U Board	73
	2-2.	Chassis Assy Removal	17			* A Board	79
	2-3.	Service Position	17			* B1 Board	83
	2-4.	U Board Removal	17			* VM Board	88
	2-5.	J Board Removal	18			* D1 Board	93
	2-6.	J Shield Removal	18			* M Board	97
	2-7.	B1 Board Removal	18			* E Board	101
	2-8.	Picture Tube Removal	19			* D Board	109
		Removal and Replacement of the				* F1 Board	113
		Main-Bracket bottom plates	20			* H1 Board	114
						* F Board	115
3. S	ET-UP	ADJUSTMENTS			5-4.	Semiconductors	117
	3-1.	Beam Landing	21		5-5.	IC Blocks	120
	3-2.	Convergence	22				
	3-3.	Focus	24	6. EX		DED VIEWS	
	3-4.	Screen [G2] White Balance	24		6-1.	Chassis	121
					6-2.	Picture Tube	123
4. C	CIRCUI	Γ ADJUSTMENTS					
	4-1.	Electrical Adjustments	26	7. EL	ECTF	RICAL PARTS LIST	125
	4-2.	Volume Electrical Adjustments	32				
	4-3	Test Mode 2	33				

### **CAUTION**

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR THE CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP

### WARNING!!

AN ISOLATING TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

### SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARKED A ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

### **ATTENTION**

APRES AVOIR DECONNECTE LE CAP DE'LANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

### ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENTION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÈ LORS DE TOUT DÈPANNAGE. LE CHÁSSIS DE CE RÈCEPTEUR EST DIRECTMENT RACCORDÈ Á L'ALIMENTATION SECTEUR.

### ATTENTION AUX COMPOSANTS RELATIFS Á LA SÈCURITÈ !!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE & SUR LES SCHÈMAS DE PRINCIPE, LES VUES EXPLOSÈES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÈCURITÈ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPSANTS SONY DONT LE NUMÈRO DE PIÈCE EST INDIQUÈ DANS LE PRÈSENT MANUEL OU DANS DES SUPPLÈMENTS PUBLIÈS PAR SONY.

This section briefly describes the buttons and controls on the TV set and the Remote Control. Open the flaps at the front and back of his Instruction Manual for detailed illustrations. For more information refer to the page numbers given in the overview.

Overview

### Remote Control

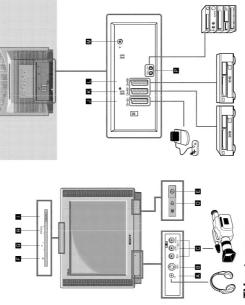
	75/ I/dy	
	IVI/O	TV: standby mode on/off 32
@	+	TV: on-screen display
0	<b>⊕</b>	Selecting of input source
0	€/€	PIP: Swapping the screens
0	+	PIP: Selecting the source
0	0/0	PIP: Switching on and off
0	1, 2, 9, 0	Number buttons32
0	0	Back to the channel last selected
0	<b></b>	Selecting of screen format
0	<b>(#)</b>	No function on this set
0	0	Joystick for menu selection
	9	Press OK to confirm
8	MENU	Switching on and off of Menu system31
<b>e</b>	PROGR +/-	TV: Channel selection up- and downwards
0	<u></u>	Volume control
A	*	Picture mode
9	4	Equaliser mode 32
e	/-	Selection of double digit channel numbers 32
0	<b></b>	Freezing of TV picture
<b>a</b>	(B)	No function on this set
A		Teletext: Switching on
0	0	TV: Selecting of TV mode
8	*	Muting of sound on/off32
8	VIDEOI/⊕	VCR: Standby mode

### **SECTION 1** GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

### TV-set - front and top

sympol		Description	see bad
C: ▼		Headphone jack	
(A)	3	S-video input jack	
<b>©</b> ⊕ 3, ⊕ 3	; ⊕ 3	Phono video/audio inputs	
<b>⊕</b>		Indicator for Standby mode	:
□		Power switch	:
(i)		Selecting of input source	
<u>n</u>	-/-	Volume control	:
■ PRO	PROGR +/-	Channel selection up- and downwards	:
CON	CONTROL	Control panel: Switching on/off	:



### TV-set - rear

Syn	Symbol	Description See page
∍	<b>J</b> ⊕1/-@1	21-pin Euro connector (Scart) 44
¥	⊕2/⊕2	21-pin Euro connector (Scart)
	⊕3/-@3	21-pin Euro connector (Scart)
Σ	⊨	Aerial socket
Z	Q L/G/S/I	Audio phono jacks

Resetting of picture setting

② ③
 ③ CH +/ VTR 1234 MDP
 ▲ ▼ ▼ ▼ ■ ■

**\*** 0

32

## First Time Operation

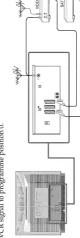
The following chapter contains all the steps necessary when first installing your TV and the basic TV functions.

### Step 1 Installation

### A Connecting the TV Set

- Connect the TV set to the mains socket (220-240 V. AC, 50 Hz).
   Connect a conventional aerial cable to the socket marked √1 M on the rear of the TV set.
- 2b Connect your Satellite Receiver to one of the Scart connectors J K L of the TV set.
- When connecting a VCR to your TV set:

We recommend that you use the preset function Manual Programme Preset (page 33) to tune in the VCR signal to programme position  $\boldsymbol{0}.$ 



# B Inserting the Batteries into the Remote Control

10

Make sure to insert the batteries using the correct polarities.

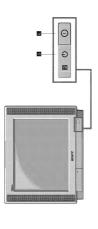
Dispose of exhausted batteries according to your local regulations.



## C Switching on the TV Set

- Press the switch ① 

   at the front of the TV set.
- $\blacksquare$  If the standby mode indicator  $\circlearrowleft$   $\blacksquare$  on the TV is lit, press TV I/ $\circlearrowleft$   $\bullet$  on the Remote Control to switch on the TV set.



30 First Time Operation

## Step 2 Basic Presetting

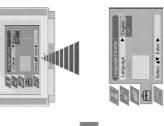
## A The Menu System

Use the following buttons on the Remote Control to operate the menu system: Your TV uses an on-screen menu system to guide you through the operations.



- Use ◄, ▶, ▲, ▼ of the joystick to select within the menu system.
  - Press OK to store.
    - When menu is switched off:

Press ◀ to return to the last menu screen.



## **B** Selecting Language and Country

- Press the MENU **@** button.

  The menu Language/Country appears on the screen.
- Press OK **(** 
  - The menus appear in the selected language.
- 3 Push the joystick **(1)** to ▼ to select Country. Push the joystick **(1)** to ▶.
- Select the country in which you will operate the TV set using ♥ or ▲.
   Confirm by pressing OK ⊕.
   The menu Auto Tuning appears.

## C Automatic Tuning In of Channels

- Push the joystick (10 to 1).
   After all available channels are stored, the TV goes back to the programme position with which you started the automatic tuning. Your TV is now ready
- To stop the automatic tuning: Press OK Φ.
- If you wish to change the sequence of the stored channels, go to Sorting Programme Positions in Advanced Presetting.
- If you need to change or repeat the tuning afterwards (e.g. when you move house) : select the menu Auto Tuning in the Set Up  $\vec{\boxminus}$  menu.



### First Time Operation 31

## Advanced Operation

## **Advanced Presetting**

## Sorting of Programme Positions

- $\hfill \hfill \hfill$ 
  - Press MENU. Select the symbol ≡ using ▼. Push to ▶.
- Select Programme Sorting using abla. Push to abla to enter.

Programme Society

Select: ▲▼ Enter:▶

- Select the programme position of the channel you wish to sort using ▲ or ▼. Push to ▶ to enter.
- Move the channel to the new programme position using  $\blacktriangle$  or  $\blacktriangledown.$  Store by pressing OK.
  - The channel is now at the new position. The other programme positions move accordingly.
    - To sort other programme positions repeat steps 3 to 4.
      - Press MENU to return to the normal TV screen.

## Manual Tuning In of Channels

- Use this function to preset channels or a video input source one by one to programme positions of your choice.
  - - Press MENU. Select the symbol ⊕ using ▼. Push to ▶.
- Select Installation using  $\P$ . Push to  $\blacktriangleright$  to enter. Select Manual Programme Preset using  $\P$ . Push to  $\blacktriangleright$  to enter.
- Select the programme position by pushing to ▲ or ▼. Push twice to ▶. 3 Select the programme position bThe column SYS is highlighted.
- Available TV systems are B/G for western European countries, Select the TV system using  $\triangle$  or  $\nabla$ . Push to  $\triangleright$  to enter.
- D/K for eastern European countries, EXT for a video input source (please go to step 5c after selecting EXT)
  - The column SEARCH is highlighted
- You have the choice between C for a terrestrial channel, S for a cable channel, 5 Select your method for the channel tuning using ▲ or ▼. Push to ▶ to enter. You have the current from F for direct frequency input.

Select: ▲▼ Enter:▶

- For channel numbers input a two digit number, for the channel frequency a a Direct Channel Input - S, C or F
- Select the two or three digits by using the number buttons 0 to 9.
  - To start the search and to store the channel, press OK. To preset other channels repeat steps 3 to 5a.
- Channel search (SEARCH)
- Use Search if you do not know the channel number or frequency
- Store the channel by pressing OK or continue the search by pushing again to V. Start the search for the next available channel by pushing to ▼.
  - To search for other channels repeat steps 3 to 5b.
    - For video input sources (EXT)
- Select the Video Input source using ▲ or ▼.
- Store your selection by pressing OK.
- To allocate other sources repeat steps 3 to 5c.
- Press MENU to return to the normal TV screen.

## Advanced Operation

Advanced Presetting

## Sorting of Programme Positions

Programme Sorting

Select: ▲▼ Enter:▶

- $\ensuremath{ \begin{tabular}{l} \ensuremath{ \begin{tabular}{l} \ensuremath{ \begin{tabular}{l} \ensuremath{ \ensuremath$ 
  - Press MENU. Select the symbol ≡ using ▼. Push to ▶.
  - Select Programme Sorting using abla. Push to abla to enter.
- Select the programme position of the channel you wish to sort using ▲ or ▼. Push to ▶ to enter.
- Move the channel to the new programme position using  $\triangle$  or  $\nabla$ . Store by
  - pressing OK.

ect: AV Enter:

The channel is now at the new position. The other programme positions move accordingly.

ţ

Select: AV Enter: ▶

- To sort other programme positions repeat steps 3 to 4.
- Press MENU to return to the normal TV screen.

## Manual Tuning In of Channels

- Use this function to preset channels or a video input source one by one to programme positions of your choice
- Select Installation using  $\P$  . Push to  $\blacktriangleright$  to enter. Select Manual Programme Preset using  $\P$  . Push to  $\blacktriangleright$  to enter. Press MENU. Select the symbol ⊕ using ▼. Push to ▶.
- Select the programme position by pushing to ▲ or ▼. Push twice to ▶.

<u>,</u>

Select: AV Enter: >

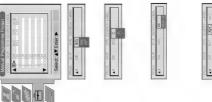
Select: ▲▼ Enter:▶

- Select the TV system using  $\triangle$  or  $\nabla$ . Push to  $\triangleright$  to enter. The column SYS is highlighted.
  - Available TV systems are B/G for western European countries, D/K for eastern European countries, EXT for a video input source (please go to step 5c after selecting EXT) The column SEARCH is highlighted  $\Theta$
- You have the choice between C for a terrestrial channel, S for a cable channel, Select your method for the channel tuning using ▲ or ▼. Push to ▶ to enter. 5 Select your mean.

  (1) You have the choice between C r
  F for direct frequency input.
  'I'mut-5, C o
- For channel numbers input a two digit number, for the channel frequency a Direct Channel Input - S, C or F *a* ⊕
  - three digit number.
- Select the two or three digits by using the number buttons 0 to 9. To start the search and to store the channel, press OK.
  - To preset other channels repeat steps 3 to 5a.
- b Channel search (SEARCH)
- Use Search if you do not know the channel number or frequency
- Store the channel by pressing OK or continue the search by pushing again to V. Start the search for the next available channel by pushing to ▼. ⊕•
  - To search for other channels repeat steps 3 to 5b.
- Select the Video Input source using ▲ or ▼.
  - Store your selection by pressing OK.
- To allocate other sources repeat steps 3 to 5c.
- Press MENU to return to the normal TV screen.

33

First Time Operation









33 First Time Operation

### Advanced Presetting

## Captioning a Station Name

You can, however, individually name a channel or a video input source. During presetting the channels are usually labelled automatically.

- Press MENU. Select the symbol \(\overline{\ov
- Select Manual Programme Preset using ▼. Push to ▶ to enter. Select Installation using ▼. Push to ▶ to enter.

7 e

- Select the programme position of the channel or the video source you wish to label by pushing to  $\Psi$  or  $\Delta$ . Push repeatedly to  $\Psi$  until the first element of the position LABEL is highlighted.
- Select a number, a letter, + or a blank using  $\triangle$  or  $\nabla$ . Push to  $\triangleright$  to confirm. Select the other four characters in the same way.

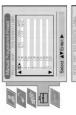
  - To label other channels or video sources repeat steps 3 to 5. Store your selection by pressing OK.
- Press MENU to return to the normal TV screen.

## Skipping of Programme Positions

In case of 100 programme positions there may be unused positions, which you can skip in the menu Manual Programme Preset. When changing channels with the PROGR +/- buttons they do then not appear. You can, however, still select them using the number buttons.

- Press MENU. Select the symbol  $\boxminus$  using  $\blacktriangledown$  . Push to  $\blacktriangleright$  .
- Select Manual Programme Preset using ▼. Push to ▶ to enter. Select Installation using ▼. Push to ▶ to enter.
- Select the programme position you wish to skip by pushing to ▲ or ▼. က
  - Push to ▶ to enter.

    The column SKIP is highlighted.
- Select ON using ▼.
- Store by pressing OK.
- To skip other programme positions repeat steps 3 to 5.
  - Press MENU to return to the normal TV screen.









### Advanced Presetting

## Using of Further Programme Presel

records the unscrambled signal.

Select: ▲▼ Enler: ▶

- Press MENU. Select the symbol \(\overline{\operation}\) using \(\psi\). Push to \(\psi\).
- using ♥. Push to ▶ to enter.
- Select the programme position of the desired channel by pushing to ▲ or ▼.

Store by pressing OK. Repeat steps 3 and 4a if you wish to adjust the volume level of other channels.

AFT Р

Repeat steps 3 and 4b if you wish to fine tune other channels DECODER

Should you use Auto Tuning afterwards, this setting will  $\leqslant$ 

Using the menu Further Programme Preset you can

a) individually adjust the volume level of each channel.

c) preset the AV output for programme positions of those channels with scrambled signals (e.g. from a Pay TV decoder). In this way a connected VCR  $\,$ b) improve the quality of a weak channel (picture or sound distortions) with

- Select Installation using ▼. Push to ▶ to enter. Select Further Programme Preset
- Push repeatedly to ▶ to select: VOL (Volume Offset), AFT (Automatic Fine Tuning) or DECODER.
  - The selected item changes colour.

Push to  $\triangle$  or  $\nabla$  to adjust the volume level (range -7 to +7) of the channel. VOL 4a

Push to  $\blacktriangledown$  to select OFF. Push to  $\blacktriangleright$  to enter Manual Fine Tuning. Push to  $\blacktriangle$  or  $\blacktriangledown$  to fine tune the channel (range -15 to +15). Store by pressing OK.

Push to  $\triangle$  or  $\nabla$  to select AV1 (Euro AV socket 1) or AV2 (Euro AV socket 2) as output for the video source on this programme position. Store by pressing OK. Repeat steps 3 and 4c if you wish to preset the AV output of other video sources.

Press MENU to return to the normal TV screen.

### Advanced Presetting

### Adjusting the Picture Geometry for an RGB Source

- When connecting an RGB source such as a Sony playstation you may need to readjust the picture geometry.
- Select the connected RGB source by pressing repeatedly.
  - Press MENU. Select the symbol  $\vec{\boxminus}$  using  $\P$  . Push to  $\P$
- Select Installation using ▼. Push to ▶ to enter. Select RGB Set Up using ▼. Select H Centre by pushing to  $\blacktriangleright$  . Adjust the centre of the picture (range from -5 to +5) using  $\blacktriangle$  or  $\blacktriangledown$  . Store by pressing OK. Push to ▶ to enter.
- Select H Size using ▼. Push to ▶ to enter. Adjust the horizontal coordinates
  - (range from -5 to +5) using ▲ or ▼. Store by pressing OK. Press MENU to return to the normal TV screen.



## Adjusting the Picture Rotation

- Because of the earth magnetism the picture might slant. In this case you can readjust the picture.
- Press MENU. Select the symbol ⊕ using ▼. Push to ▶.
- Select Installation using ▼. Push to ▶ to enter. Select Picture Rotation using ▼. Push to ▶ to enter.
- Adjust the Picture Rotation (adjusting range -4 to +4) by pushing to  $\blacktriangle$  or  $\blacktriangledown$  . Store by pressing OK.
  - Press MENU to return to the normal TV picture.



### Advanced Presetting

## Inputting Your Personal ID

- ① You can programme your TV with a safety code, so that you can be traced if your TV is stolen and recovered. This code can only be input once! Make sure to write it down in this Instruction Manual.
- Press MENU. Select the symbol \(\overline{\ov
- Select Installation using  $\Psi$ . Push to  $\blacktriangleright$  to enter. Select Personal ID using  $\blacktriangledown$ . Push to ▶ to enter.
- Select the first of a total of 11 characters (letter, number, + or a blank) by 3a
- - b Push to ▶ to go to the next character. Repeat a and b for all characters.
- Store by pressing OK.
- Press MENU to return to the normal TV screen.



## Presetting and Labelling of Input Sources

- Using AV Preset you can select the automatic format function and label an input
- Press MENU. Select the symbol \(\overline{\ov
- Select AV Preset using ▼. Push to ▶ to enter.
- Select the desired AV input (AV 1, 2 or 3) using  $\blacktriangle$  or  $\blacktriangledown$  . Push to  $\blacktriangleright$  enter.
- After each step you have the choice between memorizing (press OK) or going to the next item (push to  $\blacktriangleright$ ).

900-00-

For automatic format selection of the AV input:

Push to ▶ to select Auto Format. Select On or Off using ▲ or ▼.

- To label the source:
- Push to ▶ to select Label.
- Select the first character using ▲ or ▼. Push to ▶ to confirm. Repeat step b to select the other 4 characters.
  - Store by pressing OK.

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- Repeat steps 3 to 5 for the other AV inputs.
  - Selecting the AV3 Input Source:
- In case of AV3 you have the choice between the front AV3 sockets **B ©** or the rear Scart 3 **E** connector.

Push to ▼ to select AV3 Input. Push to ▶ to enter.

- Select Front or Rear using  $\triangle$  or  $\nabla$ .
  - Store by pressing OK.
- Press MENU to return to the normal TV screen.



Advanced Operation

36

37

Advanced Operation

## Advanced TV operation

## Adjusting Picture and Sound

Dicture and sound are adjusted at the factory. You can, however, adjust them individually.

Press MENU.
 Select the symbol L for Picture or ♪ for Sound using A or ▼.
 Push to ▶ to enter.
 The menu Picture or Sound Control is displayed.

2 Select the desired item using ▲ or ▼. Push to ▶ to enter.

3 Adjust the selected item using △, ♥, ▶ and △. Press OK to store.

(1) Refer to the tables on this and the following page for more information.

4 Repeat steps 2 and 3 to adjust other items.

5 Press MENU to return to the normal TV screen.



Item	Effect/Operation	u
Picture Mode	▼ Personal (fo Movie (fo ▲ Live (fo	Personal (for individual settings)  Movie (for movie broadcasts)  Live (for live broadcasts)
Contrast	Less 🔺	▶ More
Brightness*	Darker ◀	▶ Brighter
Colour*	Less •	▶ More
Hue**	Greenish	▶ Reddish
Sharpness*	Softer •	▶ Sharper
Reset	Resets picture to	Resets picture to the factory preset levels
AI	▼ Off: normal	
(Artificial Intelligence)	▲ On: Automa according to	On: Automatic optimization of contrast level according to the TV signal
Noise Reduction	▼ Off: Normal ► On: Reduces picture	Off: Normal On: Reduces picture noise in case of a weak

\* Only if Personal is selected in Picture Mode \*\* Only available for NTSC colour signal (e.g. US video tapes)

### Advanced TV operation

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١	5	
Š	=	
9	Ş	
	-	
ζ	5	
2	2	
2		

ltem	Effect/Operation	Perdonal
Equaliser Mode	Select between the following sound settings  ▶ Personal Vocal Jazz Rock Pop ▼ Pat (fixed setting, cannot be adjusted)	CENTRAL SERVICE SERVIC
Equaliser adjustment	You can adjust the mode selected in Equaliser mode by cutting and boosting of 5 selected frequency bands.  ■ Only the changes made in Personal can be stored, the others return to factory setting.  Select the desired bar using ▶ or ◄, adjust using ▲ an ⊈.  Press OK to store.	Sheet Note & Continuo OK
Balance	<ul><li>▲ More left</li><li>▼ More right</li></ul>	Balancis Ammuni V
Loudness	► Off: Normal     On: For music broadcasts	Leudiensa
Space	➤ Off: Normal ➤ On: Special accoustic effect	Space energy
Auto Volume Control	◆ On: volume level of the channels will stay the same independent of the broadcast signal (e.g. in case of advertisements)     ◆ Off: volume level changes according to the broadcast signal	Aure Vol. Control
Dual Sound	For a bilingual broadcast:     A for channel 1 ← ▶ B for channel 2     For a stereo broadcast:     Stereo ← ▶ Mono      Tor a Nicam broadcast: When receiving a Nicam broadcast → NICAM« appears briefly on the screen.	Data Sound
Headphones () Volume () Dual Sound	Less ← ►More  • For a bilingual broadcast:  A for channel 1 ← ▶ B for channel 2  • For a stereo broadcast:  Stereo ← № Mono  • PIP  •	Dibatisherd Const

38 Advanced Operation

### Advanced TV operation

## Using the Features Menu

- 1 Press MENU. Select the symbol \* using ▼. Push to ▶.
- Select the desired menu item using ▼. Push to ▶ to enter.
  - Select the desired setting using ▲ or ▼.

Store by pressing OK.

5 Press MENU to return to the normal TV screen.

### Features

reatures	
ltem Ef	Effect/Operation
Auto Format	On: Automatic selection of the screen format Off: Normal mode
PIP Position	See next page for details
Sleep Timer	You can select a time period after which the TV switches itself into standby mode
•	Off 10 min. 20 min.
•	:: 90 min.
Parental Lock	Off: Normal mode On: TV can only be switched on out of standby-mode using the Remote Commander, the buttons on the TV do not work.
AV2 Source	You can select the source to be output from the Scart connector ⊕2/-€32. In this way you can record from this socket while watching another source.
• •	TV audio/video signal from the aerial TF AVI audio/video signal from Scart 1 AV2 audio/video signal from Scart 2 AV3 audio/video signal from Foart 2 AV3 audio/video signal from front or rear connectors



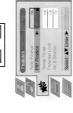












### Advanced TV operation

## Using Picture-in-Picture

Picture-in-Picture (PIP) lets you display a second, small screen within the main TV picture. In this way you can watch the video output from any connected equipment, e.g., from a VCR, while watching TV.

Switching PIP on and off

The small screen is displayed.

The source of the small screen is the one last used when the TV was on.
 Press △ ✓ □ ② again to switch PIP off.

1 Press † 6.

The symbol † is displayed in the bottom left-hand corner of the screen.

Selecting a PIP source

2 Press ① @ repeatedly until the desired source appears.

Main screen



You can select between TY, AVI, AV2, YC2, AV3 and YC3.

In no video source (e.g. VCR or Camera) is connected, the PIP will be noisy.

Vou cannot display an RGB source in the PIP.







There are four different positions of the small screen within the main screen. Select the PIP position in the Features menu.

 $\odot$ 

Press MENU. Select the symbol  $\overrightarrow{\mathbf{w}}$  using  $\overrightarrow{\mathbf{v}}$ . Push to  $\blacktriangleright$  to enter. Select PIP position by pushing to  $\overrightarrow{\mathbf{v}}$ . Push to  $\blacktriangleright$  to enter. Select the desired position using  $\overrightarrow{\mathbf{v}}$  or  $\blacktriangle$ . Press  $\overrightarrow{\mathbf{v}}$  to select. Press MENU to return to the normal TV screen.

Changing channels if the TV picture is in the PIP

Swapping the screens

• Press ⊕/② ④.

The two screens are swapped.

First press †, then the respective number buttons.

Changing the PIP position

### **Feletext**

Most TV channels broadcast information via teletext. The index page of the teletext service (usually page 100) gives you information on how to use their service.

Make sure to use a TV channel with a strong signal, otherwise there may be Teletext errors.

### Switching Teletext on and off

- Select the TV channel which carries the teletext service you want to view.
  - - Press (=) twice for Mix mode.
- The TV broadcast and the Teletext display are overlapped.
- 3 Press □ ② or press □ a third time to switch teletext off.

### Selecting a Teletext Page

### Direct Page Selection

- Input the three digits of the page number using the number buttons  ${\bf 0}$ .
  - If you have made a mistake.

    Type in any three digits, then reenter the correct page number.

### Page Catching

- Select a teletext page which has several page numbers on it (e.g., the index
  - Press OK **①**. page).
- Page Catching is displayed at the top of the page

16

- 3 Select the desired page number using ▲ or ▼ ⊕ and press OK.
- The requested page is displayed after some seconds.

- Selecting the next or the preceding page

  Press (A) (Page +) or (Page -).

- Selecting the index page

### Selecting a subpage

- A teletext page may consist out of several subpages. In this case an information line is displayed, showing the number of the subpages.
   Select the mode by pushing to ▲ Select the subpage by using ▲ or ▼.

### Freezing a Teletext subpage

- 1 Press 🖼 🕲 or 🏵 💌 The symbol 🕏 🔞 is displayed and the subpage is not updated.
  - 2 Press to resume normal teletext reception.

### Using Fastext\*

- \*depending on availability of service
- Fastext lets you access pages with one button stroke. When Fastext is broadcast, a colour-coded menu appears at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons on the Remote Control  $\pmb{\Theta}$  ,  $\pmb{\Theta}$  ,  $\pmb{\Phi}$ 
  - Press the coloured button which corresponds to the colour in the colour-coded menu.

### The Teletext menu is superimposed on the teletext display. Press MENU @.

Top/Bottom/Full

Defeated page you can enlarge it.

After having selected the function, a sub menu Top ▲ Bottom ▼ Full OK

### Text Clear

- (f) Some teletext pages contain hidden information (e.g., for a quiz), which you can
- After having selected the function, the hidden information appears.

- Enter the three digits of the desired page using the number buttons . Push to ▶ after each digit.
  - Push to ▶ after each digit.
- The time is displayed in the top left-handed corner of the screen.







### **Teletext**

## Using the Teletext Menu

- This TV set has a menu-guided teletext system. When teletext is switched on you can use the joystick buttons to operate the teletext menu.
- Select the menu functions as follows:
- Select the teletext function using  $\triangle$  or  $\nabla$  (1). Push to  $\triangleright$  to enter.

- Push to ▲ to enlarge the upper half of the screen, push to ▼ to enlarge the lower half. Press OK to resume the normal size.

Top: ▲ Bottom: ▼ Full: OK

Select: A▼ Enter:▶

- After having selected the function, you can watch a TV channel while waiting for a requested Teletext page. As soon as the page is available, the symbol  $\stackrel{\bigcirc}{\otimes}$ changes colour.
- Press 

  to view the page.

### Reveal

- reveal.
- Press 
   (a) to resume the normal Teletext operation.

### Time Page\*

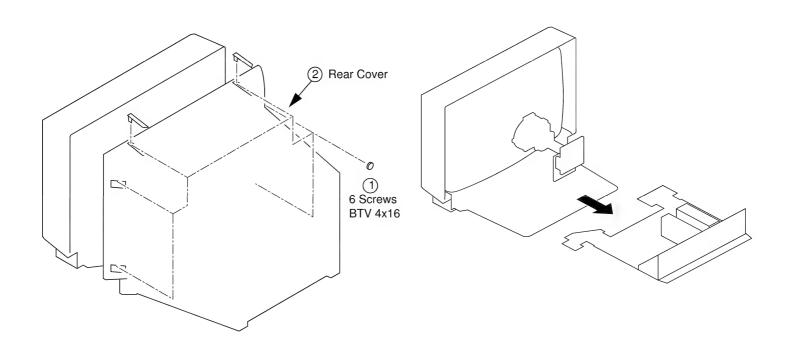
\*depending on availability of service

- You can call up a time-coded page such as an alarm page at a time specified
- After having selected the function a sub menu is displayed.
  - Select On using  $\triangle$  or  $\nabla$ . Push to  $\triangleright$  to enter.
- Enter the four digits of the desired time using the number buttons **Q**.
- Press OK to store.
- At the requested time the page is displayed.

### SECTION 2 DISASSEMBLY

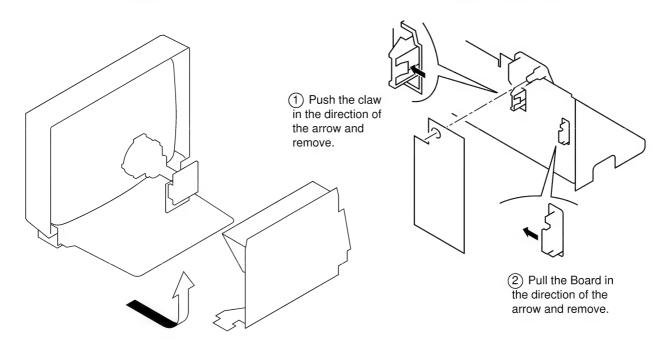
### 2-1. REAR COVER REMOVAL

### 2-2. CHASSIS ASSY REMOVAL



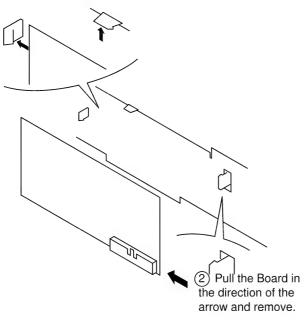
### 2-3. SERVICE POSITION

### 2-4. U BOARD REMOVAL

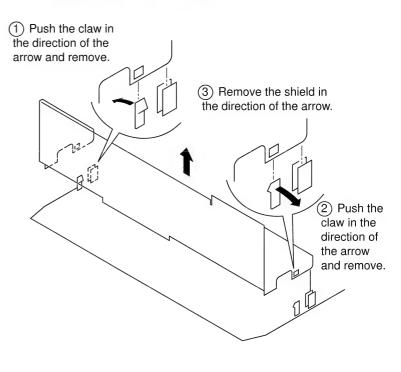


### 2-5. J BOARD REMOVAL

### 1 Push the claw in the direction of the arrow and remove.



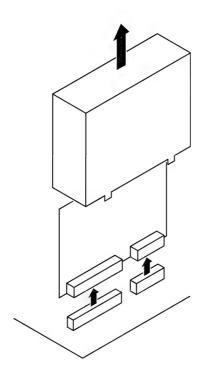
### 2-6. J SHIELD REMOVAL



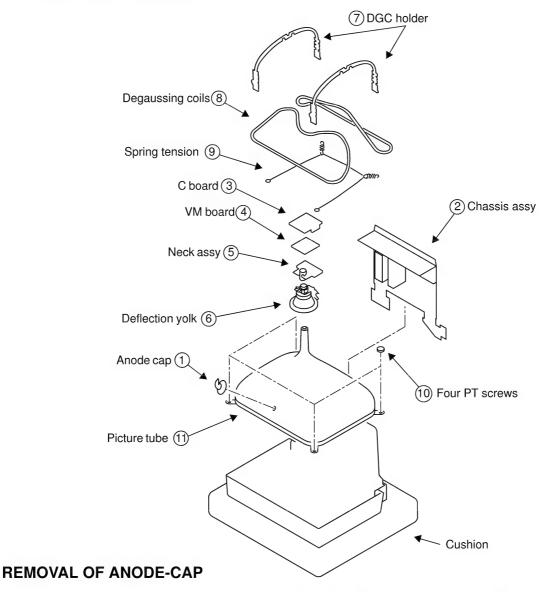
### 2-7. B1 BOARD REMOVAL

### **NOTE**

All other boards are removed in a similar manner to those shown



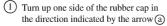
### 2-8. PICTURE TUBE REMOVAL



Note: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

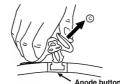
### REMOVING PROCEDURES.







arrow (b)

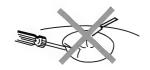


(2) Using a thumb pull up the rubber cap is firmly in the direction indicated by the separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ©

### **HOW TO HANDLE THE ANODE-CAP**

- To prevent damaging the surface of the anode-cap do not use sharp materials. Do not apply too great a pressure on the rubber, as this may cause damage to the anode connector.
- A metal fitting called a shatter hook terminal is fitted inside the rubber cap. Do not turn the rubber foot over excessively this may cause damage if the shatter hook sticks out.





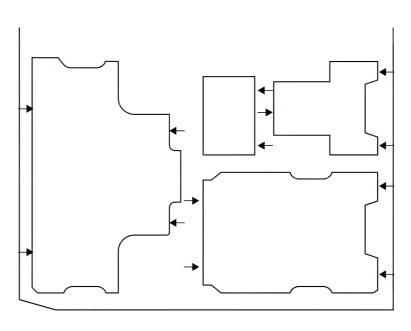
## REMOVAL AND REPLACEMENT OF THE MAIN-BRACKET **BOTTOM PLATES.**

## (1) REMOVING THE PLATES

In the event of servicing being required to the solder side of the D Board printed wiring board, the bottom plates fitted to the main chassis bracket require to be removed.

This is performed by cutting the gates with a sharp wire cutter at the locations indicated by arrows.

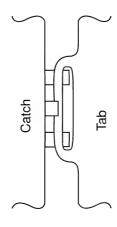
Only remove the necessary plate to gain access to the printed wiring board. Note: There are 4 plates fitted to the main bracket and secured by 4 gates.



## For safety reasons, on no account should the plates be removed and not refitted after servicing.

(2) **REFITTING THE PLATES**Because the plates differ in size it is important that the correct plates are refitted in their original location.

Please note that the plates need to be rotated 180 degrees from the cut position to allow the tabs to be fitted in the catch positions.



### SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to the following settings:

Contrast	•••••	normal
Brightness		normal

Carry out the following adjustments in this order:

- 3-1. Beam Landing
- 3-2. Convergence
- 3-3. Focus
- 3-4. White balance

Note: Test equipment required

- 1. Color bar/pattern generator.
- 2. Degausser.
- 3. Digital multimeter.
- 4. Oscilloscope.

### 3-1. BEAM LANDING

### **Preparation:**

- 1. In order to reduce the influence of geomagnetism on the set's picture tube, face it in an easterly or westerly direction.
- Switch on the set's power and degauss with the degausser.

### (1) Adjustment of Correction Magnet for Y-Splitting

- 1. Input a crosshatch signal from the pattern generator.
- 2. Set the Picture control to minimum and confirm that the Brightness control is set to normal.
- 3. Position the neck assembly as indicated in Fig.3-2.
- 4. Move the deflection yolk as far forward as is possible.
- Adjust the upper and lower pin symmetrically by opening or closing the Y-splitting axis correction magnets located on the neck assembly.
- 6. Return the deflection yolk to its original position.

## Y-splitting axis correction magnet

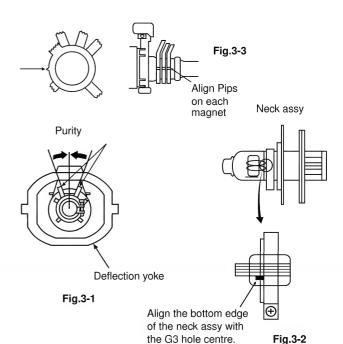
### **Caution:**

High voltages are present on the Deflection yolk terminals - take care when handling the Deflection yolk whilst carrying out adjustments.

### (2) Landing

**Note**: Before carrying out the following adjustments adjust the magnets as indicated below [See Fig.3-3].

- Input an all-white signal from the pattern generator.
   Maximize the picture setting and adjust the Brightness setting.
- 2. Rough-adjust the focus and horizontal convergence.
- 3. Loosen the deflection yolk screws and align the purity adjustment knob to its central position. [See Fig.3-1].
- 4. Switch from the all-white pattern to an all-green pattern.
- Move the deflection yolk backwards and adjust with the purity magnet so that the green is at the centre and it aligns symmetrically. [See Fig.3-4].
- Move the deflection yolk forward and adjust so that the entire screen becomes green.
- 7. Switch the raster signal to red, then to blue and verify the landing condition.
- 8. When the position of the deflection yolk has been determined, fasten the deflection yolk with the screw.
- 9. If the beam does not land correctly in all the corners of the screen, use magnets to correct it. [See Fig.3-5].



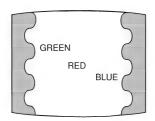


Fig.3-4

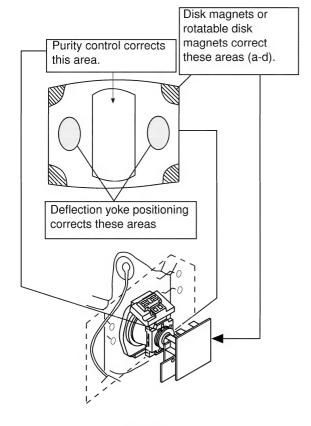
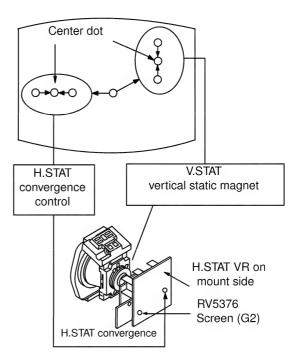


Fig. 3-5

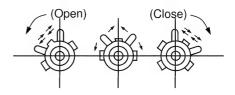
### **3-2. CONVERGENCE**

### (1) Screen centre convergence [Static convergence]

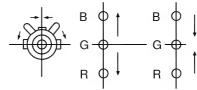
- 1. Input a dot signal from the pattern generator. Normalize the picture setting.
- [Moving horizontally], adjust the H.STAT control so that the horizontal red, green and blue dots coincide at the centre of the screen
- [Moving vertically], adjust the V.STAT magnet so that the vertical red, green and blue dots coincide at the centre of the screen.



 If the horizontal dots are unable to coincide with the variable range of the H.STAT convergence, adjust together with the V.STAT convergence while tracking.
 [Adjust the convergence by tilting the V.STAT convergence or by opening and closing the V.STAT convergence.]

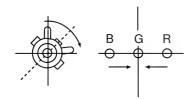


- Movement of the red, green and blue dots by tilting the V.STAT magnet and by opening or closing the V.STAT magnet.
- a). By opening or closing the V.STAT magnet, the red, green and blue dots move as indicated below.

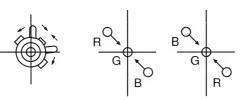


b). By rotating the V.STAT magnet counter clockwise, the red, green and blue dots move as indicated below.

c). By rotating the V.STAT magnet clockwise, the red, green and blue dots move in the direction indicated below.



d). By opening or closing the V.STAT magnet, the red, green and blue dots move in the direction indicated below.



**Note:** If the blue dot does not coincide with the red and green points correct the points by using the BMC [Hexapole] magnet.

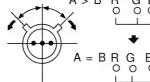
- 5. Correction for HMC [horizontal mis-convergence] and VMC [vertical mis-convergence] by using the BMC [Hexapole] magnet.
- a). HMC correction by BMC [Hexapole] magnet and movement of the electron beam.

HMC correction(B)

A > B R G B

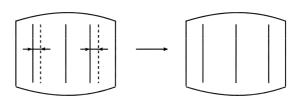
\*

HMC correction(A)

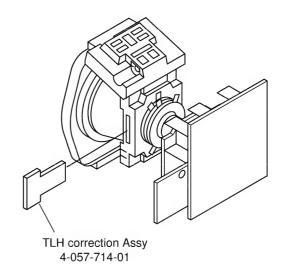


b). VMC correction by BMC [Hexapole] magnet and movement of the electron beam.

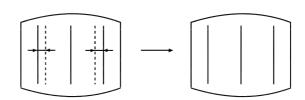
HAMP



7. HTIL correction can be performed by adding a THL correction ASSY to the DY.



HTIL



### Layout of each control

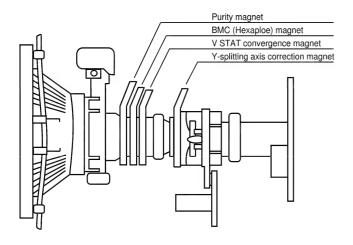
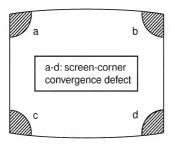
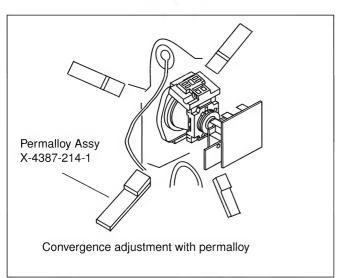


Fig 3-5

**Note:** If you are unable to adjust the corner convergence properly, this can be corrected with the use of permalloys.



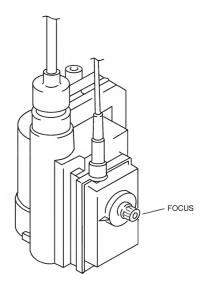




### **3-3. FOCUS**

- 1. Receive a television broadcast signal.
- 2. Normalize the picture setting.
- 3. Adjust the focus control located on the flyback transformer to obtain the best focus at the centre of the screen.

  Bring only the centre area of the screen into focus, the magenta-ring appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



### 3-4. SCREEN (G2), WHITE BALANCE

[Adjustment in the service mode using the remote commander]

### G2 adjustment (RV5376)

- 1. Input a dot signal from the pattern generator.
- 2. Set the Picture, Brightness and Colour to minimum.
- Apply 175V DC from an external power supply to the R, G and B cathodes of the CRT.
- 4. Whilst watching the picture, adjust the G2 control RV5376 [SCREEN] located on the C Board to the point just before the flyback return lines disappear.

### White balance adjustment for TV mode

- 1. Input an all-white signal.
- 2. Enter into the Service Mode by pressing 'TEST', 'TEST' and 'MENU' 'MENU' on the Service Commander.
- 3. Select 'Backend' from the on screen menu display and press 'OK'.
- 4. The 'Backend' menu will appear on the screen.
- 5. Set the contrast to MAX.
- 6. Set the 'R DRIVE' to 41.
- 7. Adjust the 'G DRIVE' and 'B DRIVE' so that the white balance becomes optimum.
- 8. Press the 'OK' button to write the data for each item.
- 9. Set the contrast to MIN.
- 10. Set the 'R CUT-OFF' to 31.
- 11. Adjust the 'G CUT-OFF', and 'B CUT-OFF' with the left and right buttons on the remote commander so that the white balance becomes optimum.
- 12. Press the 'OK' button to write the data for each item.

		Backend			
No	Descr.	Def	Min	Max	Data
1	R-on	ON	OFF	ON	ON
2	G-on	ON	OFF	ON	ON
3	B-on	ON	OFF	ON	ON
4	D-col	OFF	OFF	ON	ON
5	Color-axis	2	0	3	2
6	Contrast	63	0	63	63
7	Limit-Luv	3	0	3	3
8	Hue	31	0	63	31
9	Colour	31	0	63	28
10	CTI -Level	2	0	3	2
11	Brightness	31	0	63	31
12	Gamma	2	0	3	2
13	Sharpness	31	0	63	44
14	LTI-Level	0	0	3	0
15	R-Drive	41	0	63	40
16	BLK-Bottom	0	0	3	0
17	G-Drive	41	0	63	38
18	ABL-TH	0	0	3	0
19	B-Drive	41	Ó	63	21
20	ABL-Mode	2	0	3	2
21	Sub Bright	31	0	63	32
22	VM-Level	2	0	3	2
23	R-Cutoff	31	0	63	41
24	Preover	2	0	3	2
25	G-Cutoff	31	Ô	63	45
26	DPIC-Level	2	0	3	2
27	B-Cutoff	31	0	63	48
28	DC-Tran	1	0	3	1
29	Sub-Cont	7	0	15	7
30	LRGB2-LvI	12	0	15	12
31	P-Abl	15	0	15	15
32	DL-Pass	OFF	OFF	ON	OFF
33	Sharp.Fo	ON	OFF	ON	ON
34	Aging-W	OFF	OFF	ON	OFF
35	Aging-B	OFF	OFF	ON	OFF
36	CB-offset1	7	0	15	7
37	CR-offset1	7	0	15	7
38	CB-offset2	7	0	15	7
39	CR-offset2	7	0	15	7
40	Sub Colour	0	-8	8	-1

### SECTION 4 CIRCUIT ADJUSTMENTS

### 4-1. ELECTRICAL ADJUSTMENTS

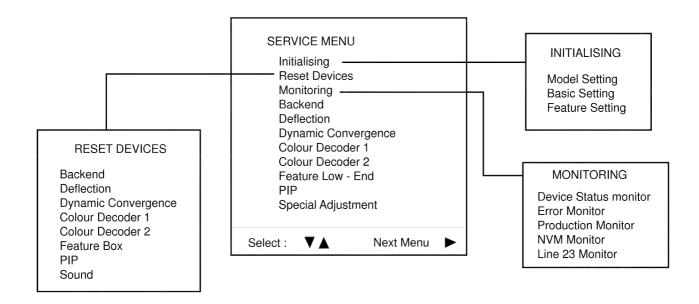
Service adjustments to this model can be performed using the supplied Remote Commander RM-891.

### **HOW TO ENTER INTO SERVICE MODE**

1. Turn on the main power switch of the set while pressing PROG + (plus) and PROG - (minus) buttons on the top panel.



- 2. "TT" will appear in the upper right corner of the screen.
- 3. Press the 'MENU' button twice on the remote commander to obtain the service menu on the screen.



- 4. Push the joystick up or down on the remote commander to select the adjustment item.
- 5. Push the right button to proceed to the next menu.
- 6. If the required adjustment item is 'Deflection', push the down button to move to 'Deflection'.
- 7. Push the joystick to the right to enter into 'Deflection'.
- 8. Change the data in order to comply with each standard.

### NOTE:

- · Before performing any adjustments assure that the correct model has been selected in the Model Setting menu.
- · After carrying out the service adjustments, to prevent the customer accessing the Service Menu switch the TV set OFF and then ON.

	Model Setting
1	KV-29FX60A/D/F
2	KV-29FX60B
3	KV-29FX60U
4	KV-29FC60A/D/E
5	KV-29FC60B
6	KV-29FC60K
7	KV-29FC60R
8	KV-29FS60A/D/E
9	KV-29FS60B
10	KV-29FS60K
11	KV-29FS60R
12	KV-28/32FX60A/D/E
13	KV-28/32FX60B
14	KV-28/32FX60K
15	KV-28/32FX60R
16	KV-28/32FX60U
17	KV-29FS60A/D/E
18	KV-29FS60B

Fig.4-1

Basic setting						
No	Descr.	Min	Max	Data		
1	Sys.B/G	OFF	ON	ON		
2	•	OFF	ON	ON		
	Sys.D/K					
3	Sys.L	OFF	ON	ON		
4	Sys I (UK)	OFF	ON	OFF		
5	Sys I (IRL)	OFF	ON	OFF		
6	Russian sound	OFF	ON	OFF		
7	TXT Nod.option	1	4	3		
8	simple PAT	OFF	ON	OFF		
9	16:9 CRT	OFF	ON	OFF		
10	Sub-woofer	OFF	ON	ON		
11	Auto stand-by	OFF	ON	ON		
12	comb-filter	OFF	ON	OFF		
13	Auto YC det	OFF	ON	ON		
14	Auto comb det	OFF	ON	OFF		
15	AV2 Available	OFF	ON	ON		
16	AV3 Available	OFF	ON	ON		
17	AV4 Available	OFF	ON	OFF		
18	AV3 Front & rear	OFF	ON	ON		
19	SECAM Tape	OFF	ON	OFF		

Fig.4-2

### NOTE:

The above table is dependant on model, destination & size.

		Backend			
No	Descr.	Def	Min	Max	Data
1	R-on	ON	OFF	ON	ON
2	G-on	ON	OFF	ON	ON
3	B-on	ON	OFF	ON	ON
4	D-col	OFF	OFF	ON	ON
5	Color-axis	2	0	3	2
6	Contrast	63	0	63	63
7	Limit-Luv	3	0	3	3
8	Hue	31	0	63	31
9	Colour	31	0	63	28
10	CTI -Level	2	0	3	20
11	Brightness	31	0	63	31
12	Gamma	2	0	3	2
13	Sharpness	31	0	63	44
14	LTI-Level	0	0	3	0
15	R-Drive	41	0	63	40
16	BLK-Bottom	0	0	3	0
17	G-Drive	41	_	63	
	ABL-TH	0	0		38 0
18 19	B-Drive	41	0	3	21
			0	63	
20	ABL-Mode	2	0	3	2
21	Sub Bright	31	0	63	32
22	VM-Level	2	0	3	2
23	R-Cutoff	31	0	63	41
24	Preover	2	0	3	2
25	G-Cutoff	31	0	63	45
26	DPIC-Level	2	0	3	2
27	B-Cutoff	31	0	63	48
28	DC-Tran	1	0	3	1 -
29	Sub-Cont	7	0	15	7
30	LRGB2-LvI	12	0	15	12
31	P-Abl	15 OFF	0	15 ON	15
32	DL-Pass	OFF	OFF	ON	OFF
33	Sharp.Fo	ON	OFF	ON	ON
34	Aging-W	OFF	OFF	ON	OFF
35	Aging-B	OFF	OFF	ON	OFF
36	CB-offset1	7	0	15	7
37	CR-offset1	7	0	15	7
38	CB-offset2	7	0	15	7
39	CR-offset2	7	0	15	7
40	Sub Colour	0	-8	8	-1

Fig.4-3

		Feature setting		
No	Descr.	Min	Max	Data
1	PIP	OFF	ON	ON

Fig.4-4

Colour Decoder 1						
No	Descr.	Def	Min	Max	Data	
140	Desci.	Dei	IVIII I	IVIAX	Dala	
1	DelayLinMd	OFF	OFF	ON	OFF	
2	Gain set	1	0	3	1	
3	Y-Delay	7	0	15	7	
4	Phase Time	0	0	3	0	
5	Vid Ident Md	OFF	OFF	ON	OFF	
6	Sync Mode	OFF	OFF	ON	OFF	
7	Vid Ident Sw	ON	OFF	ON	ON	
8	H-Output	OFF	OFF	ON	OFF	
9	Enagating	OFF	OFF	ON	OFF	
10	IF Circuit	ON	OFF	ON	ON	
11	GP Delay	OFF	OFF	ON	OFF	

Fig.4-5

	Coloui	Decode	er 2		
No	Descr.	Def	Min	Max	Data
1	DelayLinMd	OFF	OFF	ON	OFF
2	Gain set	1	0	3	1
3	Y-Delay	7	0	15	7
4	Phase Time	0	0	3	0
5	Vid Ident Md	OFF	OFF	ON	OFF
6	Sync Mode	OFF	OFF	ON	OFF
7	Vid Ident Sw	ON	OFF	ON	ON
8	H-Output	OFF	OFF	ON	OFF
9	Enagating	OFF	OFF	ON	OFF
10	IF Circuit	ON	OFF	ON	ON
11	GP Delay	OFF	OFF	ON	OFF

Fig.4-6

		Deflection			
No	Descr.	Def	Min	Max	Data
1	V-Size	31	0	63	34
2	V-Position	31	0	63	21
3	V-Comp	1	0	3	1
4	V-Linear	7	0	15	7
5	S-Corr	7	0	15	8
6	H-Size	31	0	63	29
7	EW-DC	OFF	OFF	ON	OFF
8	Pin-Amp	31	0	63	36
9	Up-Cpin	31	0	63	35
10	M-Pin	2	0	3	2
11	Lo-Cpin	31	0	63	37
12	Trapezium	7	0	15	7
13	H-Position	31	0	63	25
14	AFC-Bow	7	0	15	7
15	AFC-Angle	7	0	15	9
16	Up-Vlin	0	0	15	0
17	Lo-Vlin	0	0	15	0

Fig.4-7

	Dynami	c Conver	gence		
No	Descr.	Def	Min	Max	Data
1	Range	63	0	63	32
2	H Stat	33	0	63	33
3	H amp L	37	0	63	37
4	H amp R	36	0	63	36
5	Up Y	31	0	63	31
6	Low Y	33	0	63	33
7	Y Up L	30	0	63	30
8	Y Up R	30	0	63	30
9	Y Low L	31	0	63	31
10	Y Low R	30	0	63	30
11	Mbow Up L	31	0	63	31
12	Mbow Up R	32	0	63	32
13	Mbow Low L	32	0	63	32
14	Mbow Low R	32	0	63	32
15	V Stat	32	0	63	32
16	Linearity	128	0	255	104
17	H Centre	32	0	63	32
18	H Trap	32	0	63	32
19	Rotation	0	0	255	0
20	Focus Phase	128	0	255	128

Fig.4-8

Feature Low-End					
No	Descr.	Def	Min	Max	Data
1	F.S.F.M	OFF	OFF	ON	OFF
2	G-Mode	OFF	OFF	ON	OFF
3	Picture Pos	0	0	3	0
4	Comp Mode	OFF	OFF	ON	OFF
5	CompSW	OFF	OFF	ON	OFF
6	Acqu.freq	OFF	OFF	ON	OFF
7	Still Pic	OFF	OFF	ON	OFF
8	Init	OFF	OFF	ON	OFF
9	Dis Feature	ON	OFF	ON	ON
10	Dis Vlimit	ON	OFF	ON	ON
11	Scr Fade	0	0	3	0
12	Hwe Delay	20	0	255	20
13	Auto Vshift	OFF	OFF	ON	OFF
14	Vwe Delay	0	0	127	0
15	SFR sw	OFF	OFF	ON	OFF
16	IPQ	0	0	3	0
17	D.Col Dec	OFF	OFF	ON	OFF
18	Blankfield	0	0	15	0
19	P1.5	OFF	OFF	ON	OFF
20	P1.4	OFF	OFF	ON	OFF
21	P1.3	OFF	OFF	ON	OFF
22	P1.2	OFF	OFF	ON	OFF
23	P1.1	OFF	OFF	ON	OFF
24	Set Vdba	OFF	OFF	ON	OFF
25	Set Sidep	ON	OFF	ON	ON
26	Set Hwe	OFF	OFF	ON	OFF
27	Set Clv	OFF	OFF	ON	OFF
28	Set Hddel	OFF	OFF	ON	OFFF
29	Set Hblnd	OFF	OFF	ON	OFF
30	Set Hre	ON	OFF	ON	ON
31	Set Hbda	ON	OFF	ON	ON
32	Set Hdav	ON	OFF	ON	ON
33	Vbdasta	0	0	255	0
34	Vsdasto	0	0	255	0
35	Msbhwesto	OFF	OFF	ON	OFF
36	Msbhwesta	OFF	OFF	ON	OFF
37	Msbvbdasto	OFF	OFF	ON	OFF
38	Msbvbdasta	OFF	OFF	ON	OFF
39	Hdavsta	40	0	255	40
40	Hdavsto	255	0	255	255

	Feature	Low-End	(Cont.)		
No	Descr.	Def	Min	Max	Data
41	Hbdasta	223	0	255	223
42	Hbdasto	222	0	255	222
43	Hresta	38	0	255	38
44	Hresto	202	0	255	202
45	Hblndsta	31	0	255	31
46	Hblndsto	30	0	255	30
47	MsbHblndsta	OFF	OFF	ON	OFF
48	MsbHblndsto	OFF	OFF	ON	OFF
49	Msb Hresto	ON	OFF	ON	ON
50	Msb Hresta	OFF	OFF	ON	OFF
51	Msbhbdasta	ON	OFF	ON	ON
52	Msbhbdasto	ON	OFF	ON	ON
53	Msbhdavsto	ON	OFF	ON	ON
54	Msbhdavsta	OFF	OFF	ON	OFF
55	Hddel	0	0	15	0
56	Clvsta	0	0	255	0
57	Clvsto	9	0	255	9
58	Hwesta	44	0	255	44
59	Hwesto	208	0	255	208
60	Ex-Thres	OFF	OFF	ON	OFF
61	Wes	ON	OFF	ON	OFF
62	Demo mode	ON	OFF	ON	OFF
63	Limerick NR	0	0	4	0
64	Nthr	0	0	255	2
65	Wval	200	0	255	200
66	Agc Ych	203	0	255	203
67	Agc Uvch	209	0	255	209
68	Aal-Bypass	OFF	OFF	ON	OFF
69	Stby Fr	OFF	OFF	ON	OFF
70	Lsb Agc-Uv	OFF	OFF	ON	OFF
71	Lsb Agc-Y	OFF	OFF	ON	OFF
72	Vcl cor	0	0	3	0
73	Ucl cor	0	0	3	0
74	Uv cor mode	0	0	3	0
75	Uvcl tau	3	0	3	3
76	Uvcol Lvl	0	0	3	0
77	Fil Mem	OFF	OFF	ON	OFF
78	Overl Thr	1	0	3	1
79	Y delay f	4	0	7	4
80	Dcti pdxsel	ON	OFF	ON	ON

Fig.4-9

	Feature	Low-End	(Cont.)		
No	Descr.	Def	Min	Max	Data
81		0	0	15	
•	Dcti Thres	_	•		0
82	Dcti Gain	0	0	7	0
83	Dcti Super	ON	OFF	ON	ON
84	Dcti Fil	ON	OFF	ON	ON
85	Dcti Prot	ON	OFF	ON	ON
86	Dcti Sep	ON	OFF	ON	ON
87	Dcti Limit	2	0	3	2
88	Peak Beta	0	0	7	0
89	Peak Alpha	2	0	7	2
90	Peak Neg g	0	0	3	0
91	Peak Delta	0	0	3	0
92	Peak Tau	0	0	7	0
93	Peak Corth	0	0	15	0
94	Overlay V	0	0	15	0
95	Overlay U	0	0	15	0
96	Overlay Y	10	0	255	10
97	Sidep sta	240	0	255	240
98	Sidep sto	36	0	255	36
99	Y delay B	7	0	7	7
100	Invert UV	ON	OFF	ON	ON
101	Output Range	ON	OFF	ON	ON
102	Sidep Fdel	0	0	3	0

		PIP			
No	Descr.	Def	Min	Max	Data
1	Freeze	OFF	OFF	ON	OFF
2	Frame	ON	OFF	ON	ON
3	Pipon	ON	OFF	ON	OFF
4	Seldel	1	0	15	1
5	Mixdis	ON	OFF	ON	ON
6	H-Poshi	0	0	3	0
7	H-Pos	137	0	255	137
8	V-Pos	59	0	255	59
9	Y-Delay	0	0	7	0
10	V-Dec	OFF	OFF	ON	OFF
11	H-Dec	OFF	OFF	ON	OFF
12	Insvh	ON	OFF	ON	ON
13	Chrins	ON	OFF	ON	ON
14	Pmod	0	0	3	0
15	lmod	0	0	3	0
16	Clisw	ON	OFF	ON	ON
17	H side	4	0	15	4
18	Vsiisq	OFF	OFF	ON	OFF
19	Vsidel	0	0	31	0
20	Parasynd	ON	OFF	ON	ON
21	Vspisq	OFF	OFF	ON	OFF
22	Vspdel	10	0	31	10
23	Con	1	0	15	1
24	Fry	8	0	15	8
25	Frv	3	0	15	3
26	Fru	4	0	15	4
27	Sel Down	OFF	OFF	ON	OFF
28	Frwidv	1	0	3	1
29	Frwidh	2	0	7	2
30	Mat	4	0	7	4
31	Daconst	OFF	OFF	ON	OFF
32	Plltc	1	0	3	1
33	Dacontle	OFF	OFF	ON	OFF
34	Left	83	0	255	83
35	RightHi	1	0	3	1
36	Right	192	0	255	192
37	Up	46	0	255	46
38	Down	189	0	255	189

Fig.4-10

		Sound			
No	Descr.	Def	Min	Max	Data
1	Ref.Level	40	0	20	40
2	Auto-gain	ON	OFF	ON	ON
3	Ana-in	0	0	1	0
4	Corr-mute	ON	OFF	ON	ON
5	Clock out	ON	OFF	ON	ON
6	AM-gain	ON	OFF	ON	ON
7	Clip mode	0	0	2	0
8	SCART1 Vol	79	0	127	79
9	SCART2 Vol	79	0	127	79
10	SCART Pr	27	0	127	27
11	lzs1-pr	16	0	127	16
12	Izs2-pr	16	0	127	16
13	FM pr	27	0	127	27
14	BG Nic-pr	53	0	127	53
15	L Nic-pr	59	0	127	59
16	DK Nic-pr	53	0	127	53
17	l Nic-pr	97	0	127	97
18	Irl Nic-pr	97	0	127	97
19	AVC-Decay	2	0	8	2
20	Subw-vol	0	0	-127	0
21	Subw-freq	20	5	40	20
22	Subw-Hpuss	OFF	OFF	ON	OFF
23	Spat-stre	127	0	-1	127
24	Spat-Coeff	0	0	8	0
25	Bass offs	0	-3	3	0
26	Treble offs	0	-3	3	0
27	Loudn offs	0	0	9	0
28	Hp-voloffs	-2	-5	5	-2
29	M-S Limit	30	-128	127	30
30	M-B Limit	-30	-128	127	-30
31	S-M Limit	12	-128	127	12
32	S-B Limit	-20	-128	127	-20
33	B-M Limit	-12	-128	127	-12
34	B-S Limit	20	-128	127	20
35	Err.Max	40	0	255	40
36	Err.Min	14	0	255	18

Fig.4-11

	Special Adj	ustmer	ıt	
No	Descr.	Min	Max	Data
1	RGB Level	0	7	0
2	RGB Gain	0	31	9
3	RGB PatLevel	0	7	7
4	RGB Patgain	0	31	31
5	RGB H-position	-10	10	-1
6	Extra Fw	0	255	255
7	EPG Chks Check	OFF	ON	ON
8	Slicer High	OFF	ON	ON
9	FCW Wide	OFF	ON	ON
10	High Pll	OFF	ON	OFF
11	Panic offset	0	2	0
12	Wide Mute	OFF	ON	ON

Fig.4-12

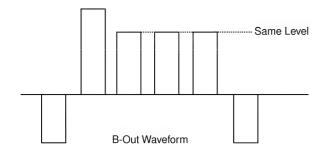
### **DEFLECTION SYSTEM ADJUSTMENT**

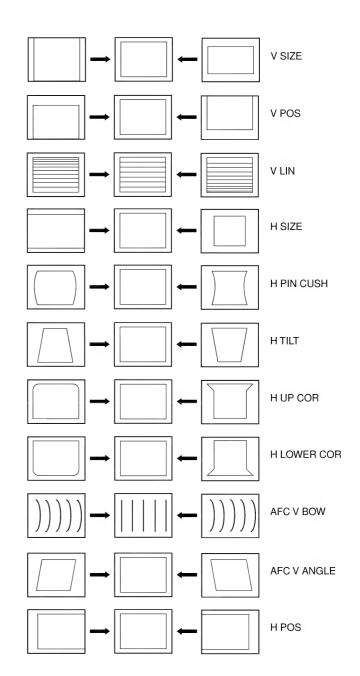
- Enter into the service mode and select 'Deflection'. The 'Deflect' adjustment menu will be displayed.
- 2. Select and adjust each item to obtain the optimum image.

### 4-2.VOLUME ELECTRICAL ADJUSTMENTS

### **Sub Colour Adjustment**

- 1. Input a PAL colour bar signal.
- 2. Connect an oscilloscope to CN5400 pin 5 on the C board.
- 3. Enter into the 'SERVICE MODE'.
- 4. Choose 'Backend'.
- 5. Adjust Sub Colour data so that the right sides of the waveforms are of equal height.





### 4-3. TEST MODE 2:

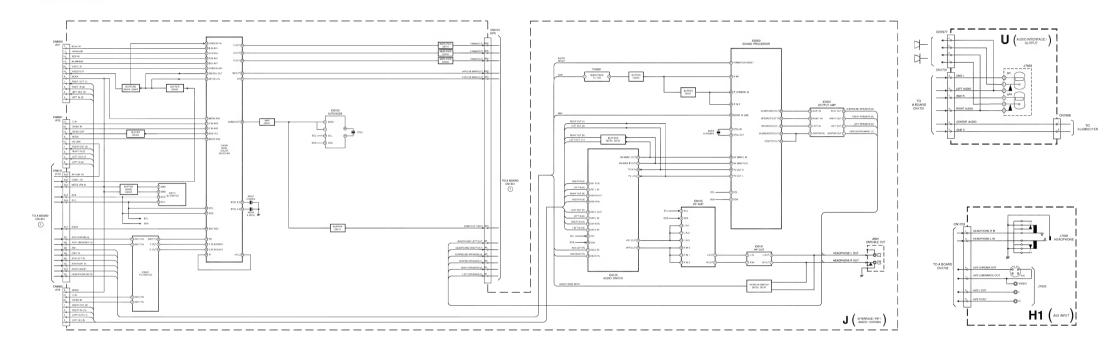
Is available by pressing 'TEST' button twice, OSD 'TT' appears. The functions described below are available by pressing the two numbers. To release the Test mode 2, press  $0, 10, 20 \dots$  twice or switch the TV set into Stand-by Mode. Pressing the two Local Control buttons ( + and -) during Power ON will also switch into 'TT' mode.

In 'TT' mode, it is possible to remove the Menu from the screen by pressing the Speaker Off button once. Pressing the Speaker OFF button a second time will cause the menu to reappear. The Function is kept even when the menu is not displayed !!.

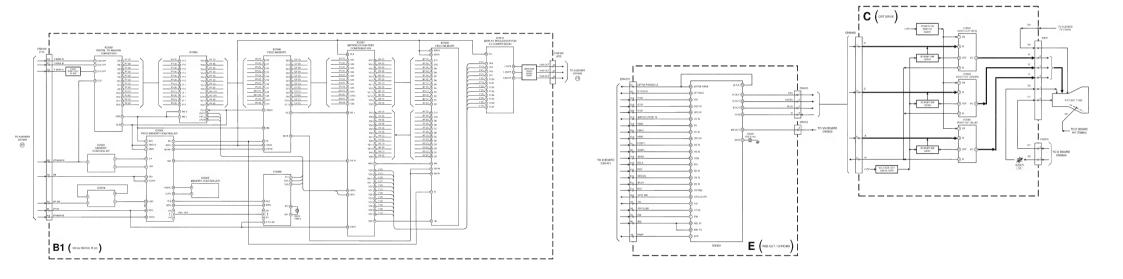
01 Set picture maximum 02 Set picture minimum 03 Set speaker/headphone Volume to 30% 04 Set speaker/headphone Volume to 50% 05 Set speaker/headphone Volume to 65% 06 Set speaker/headphone Volume to 80% 07 Ageing Mode 08 Shipping Condition 09 Language Reset 10 No function 11 Sub picture adjustment 12 Sub colour adjustment 13 Display software version and TV set configuration 14 Production Info Display 15 Picture Rotation 16 Picture level 50% 17 Audio mute on 18 No function 19 Sub brightness adjustment 20 See 'TT10' 21 Destination A includes text settings, display TV status 22 Destination E includes text settings, display TV status 23 Destination U includes text settings, display TV status 24 Destination D includes text settings, display TV status 25 Destination B includes text settings, display TV status 26 Destination B includes text settings, display TV status 27 Destination B includes text settings, display TV status 28 Destination B includes text settings, display TV status 29 Destination B includes text settings, display TV status 20 See 'TT10' 31 Geometry Adjustment 1 32 Geometry Adjustment 1 32 Geometry Adjustment 2 33 Error monitor 34 No function 35 CRT 4:3 < > 16:9 ; Display TV status 36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function 39 No function 39 No function	00	Switch back to normal mode - 'TT' mode off
O2 Set picture minimum O3 Set speaker/headphone Volume to 30% O4 Set speaker/headphone Volume to 50% O5 Set speaker/headphone Volume to 65% O6 Set speaker/headphone Volume to 80% O7 Ageing Mode O8 Shipping Condition O9 Language Reset O No function O Sub picture adjustment O Sub picture Rotation O Production Info Display O Production Info Display O Production Info Display O Production Info Display O Production O Production O Sub brightness adjustment O See 'TT10' O Destination A includes text settings, display TV status O Pestination I includes text settings, display TV status O Pestination D includes text settings, display TV status D Destination D includes text settings, display TV status D Destination B includes text settings, display TV status D Destination B includes text settings, display TV status D Destination B includes text settings, display TV status O Destination R includes text settings, display TV status O See 'TT10' O Destination R includes text settings, display TV status O See 'TT10' O See order Adjustment 1 O See order Adjustment 1 O See order Adjustment 2 O See order Adjustment OVM) test ON function ON function ON function ON function		
3 Set speaker/headphone Volume to 30% 4 Set speaker/headphone Volume to 50% 5 Set speaker/headphone Volume to 65% 6 Set speaker/headphone Volume to 80% 7 Ageing Mode 8 Shipping Condition 9 Language Reset 10 No function 11 Sub picture adjustment 12 Sub colour adjustment 13 Display software version and TV set configuration 14 Production Info Display 15 Picture Rotation 16 Picture level 50% 17 Audio mute on 18 No function 19 Sub brightness adjustment 20 See 'TT10' 21 Destination A includes text settings, display TV status 22 Destination L includes text settings, display TV status 23 Destination E includes text settings, display TV status 24 Destination U includes text settings, display TV status 25 Destination B includes text settings, display TV status 26 Destination B includes text settings, display TV status 27 Destination R includes text settings, display TV status 28 Destination R includes text settings, display TV status 29 Destination R includes text settings, display TV status 20 See 'TT10' 31 Geometry Adjustment 1 32 Geometry Adjustment 1 33 Error monitor 34 No function 35 CRT 4:3 < > 16:9 ; Display TV status 36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function		·
O4 Set speaker/headphone Volume to 50% O5 Set speaker/headphone Volume to 65% O6 Set speaker/headphone Volume to 80% O7 Ageing Mode O8 Shipping Condition O9 Language Reset 10 No function 11 Sub picture adjustment 12 Sub colour adjustment 13 Display software version and TV set configuration 14 Production Info Display 15 Picture Rotation 16 Picture level 50% 17 Audio mute on 18 No function 19 Sub brightness adjustment 20 See 'TT10' 21 Destination A includes text settings, display TV status 22 Destination L includes text settings, display TV status 23 Destination Eincludes text settings, display TV status 24 Destination U includes text settings, display TV status 25 Destination D includes text settings, display TV status 26 Destination B includes text settings, display TV status 27 Destination B includes text settings, display TV status 28 Destination B includes text settings, display TV status 29 Destination B includes text settings, display TV status 20 See 'TT10' 31 Geometry Adjustment 1 32 Geometry Adjustment 1 33 Error monitor 34 No function 35 CRT 4:3 < > 16:9 ; Display TV status 36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function		'
O5 Set speaker/headphone Volume to 65% O6 Set speaker/headphone Volume to 80% O7 Ageing Mode O8 Shipping Condition O9 Language Reset 10 No function 11 Sub picture adjustment 12 Sub colour adjustment 13 Display software version and TV set configuration 14 Production Info Display 15 Picture Rotation 16 Picture level 50% 17 Audio mute on 18 No function 19 Sub brightness adjustment 20 See 'TT10' 21 Destination A includes text settings, display TV status 22 Destination L includes text settings, display TV status 23 Destination E includes text settings, display TV status 24 Destination U includes text settings, display TV status 25 Destination D includes text settings, display TV status 26 Destination B includes text settings, display TV status 27 Destination B includes text settings, display TV status 28 Destination B includes text settings, display TV status 29 Destination B includes text settings, display TV status 20 See 'TT10' 31 Geometry Adjustment 1 32 Geometry Adjustment 1 32 Geometry Adjustment 2 33 Error monitor 34 No function 35 CRT 4:3 <> 16:9; Display TV status 36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function		' '
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19 Sub brightness adjustment 20 See 'TT10' 21 Destination A includes text settings, display TV status 22 Destination L includes text settings, display TV status 23 Destination E includes text settings, display TV status 24 Destination U includes text settings, display TV status 25 Destination D includes text settings, display TV status 26 Destination B includes text settings, display TV status 27 Destination K includes text settings, display TV status 28 Destination R includes text settings, display TV status 30 See 'TT10' 31 Geometry Adjustment 1 32 Geometry Adjustment 2 33 Error monitor 34 No function 35 CRT 4:3 < > 16:9; Display TV status 36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function	17	Audio mute on
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23 Destination E includes text settings, display TV status 24 Destination U includes text settings, display TV status 25 Destination D includes text settings, display TV status 26 Destination B includes text settings, display TV status 27 Destination K includes text settings, display TV status 28 Destination R includes text settings, display TV status 30 See 'TT10' 31 Geometry Adjustment 1 32 Geometry Adjustment 2 33 Error monitor 34 No function 35 CRT 4:3 < > 16:9; Display TV status 36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function 39 No function	21	Destination A includes text settings, display TV status
24 Destination U includes text settings, display TV status 25 Destination D includes text settings, display TV status 26 Destination B includes text settings, display TV status 27 Destination K includes text settings, display TV status 28 Destination R includes text settings, display TV status 30 See 'TT10' 31 Geometry Adjustment 1 32 Geometry Adjustment 2 33 Error monitor 34 No function 35 CRT 4:3 < > 16:9; Display TV status 36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function 39 No function	22	Destination L includes text settings, display TV status
25 Destination D includes text settings, display TV status 26 Destination B includes text settings, display TV status 27 Destination K includes text settings, display TV status 28 Destination R includes text settings, display TV status 30 See 'TT10' 31 Geometry Adjustment 1 32 Geometry Adjustment 2 33 Error monitor 34 No function 35 CRT 4:3 < > 16:9; Display TV status 36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function 39 No function	23	Destination E includes text settings, display TV status
26 Destination B includes text settings, display TV status 27 Destination K includes text settings, display TV status 28 Destination R includes text settings, display TV status 30 See 'TT10' 31 Geometry Adjustment 1 32 Geometry Adjustment 2 33 Error monitor 34 No function 35 CRT 4:3 < > 16:9; Display TV status 36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function 39 No function	24	Destination U includes text settings, display TV status
27 Destination K includes text settings, display TV status 28 Destination R includes text settings, display TV status 30 See 'TT10' 31 Geometry Adjustment 1 32 Geometry Adjustment 2 33 Error monitor 34 No function 35 CRT 4:3 < > 16:9 ; Display TV status 36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function 39 No function	25	Destination D includes text settings, display TV status
28 Destination R includes text settings, display TV status 30 See 'TT10' 31 Geometry Adjustment 1 32 Geometry Adjustment 2 33 Error monitor 34 No function 35 CRT 4:3 < > 16:9 ; Display TV status 36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function 39 No function	26	Destination B includes text settings, display TV status
30 See 'TT10' 31 Geometry Adjustment 1 32 Geometry Adjustment 2 33 Error monitor 34 No function 35 CRT 4:3 < > 16:9 ; Display TV status 36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function 39 No function	27	Destination K includes text settings, display TV status
31 Geometry Adjustment 1 32 Geometry Adjustment 2 33 Error monitor 34 No function 35 CRT 4:3 < > 16:9 ; Display TV status 36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function 39 No function	28	Destination R includes text settings, display TV status
32 Geometry Adjustment 2 33 Error monitor 34 No function 35 CRT 4:3 < > 16:9 ; Display TV status 36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function 39 No function	30	See 'TT10'
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34 No function 35 CRT 4:3 < > 16:9 ; Display TV status 36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function 39 No function	32	Geometry Adjustment 2
35 CRT 4:3 < > 16:9 ; Display TV status 36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function 39 No function	33	Error monitor
36 Line 23 detection switch 37 Velocity Modulation (VM) test 38 No function 39 No function	34	No function
37 Velocity Modulation (VM) test 38 No function 39 No function	35	CRT 4:3 < > 16:9 ; Display TV status
38 No function 39 No function	36	Line 23 detection switch
39 No function	37	Velocity Modulation (VM) test
and the state of t	38	No function
<b>40</b> See 'TT10'	39	No function
	40	See 'TT10'

41	Screen mode check
42	Re initialise geometry
43	No function
44	No function
45	No function
46	Reserved for dealer commander
47	Re initialise NVM
48	Set NVM as non virgin
49	Set NVM as virgin
50	See 'TT10'
51	Set Dolby volume to 90%
52	Dolby on left speaker only
53	Dolby on right speaker only
54	Dolby on left centre only
55	Dolby on surround speaker only
56	No formation
- 59	No function
60	See 'TT10'
61	Service mode
62	Production mode
65	Reset error codes
68	Ignore errors on
69	Ignore errors off
70	See 'TT10'
71	
72	No function
73	Clear programs
74	
<u>-</u>	No function
79	
80	See 'TT10'
81	PAP H adjustment left image
82	PAP H adjustment right image
83	No function
86	
87	Personal ID reset
88	Parental Lock off
89	No function
90	See 'TT10'

### 5-1 BLOCK DIAGRAMS (1)

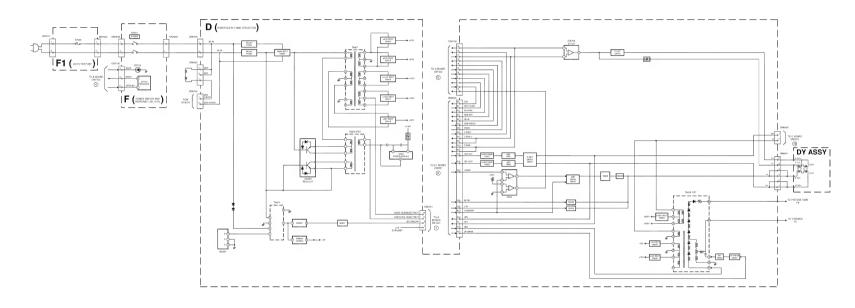


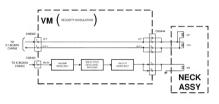
### 5-1 BLOCK DIAGRAMS (2)



39 40 41 41

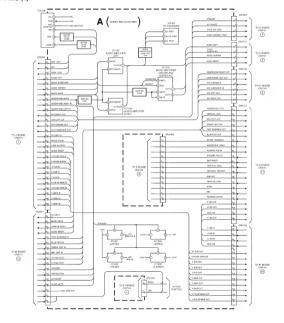
### BLOCK DIAGRAMS (3)

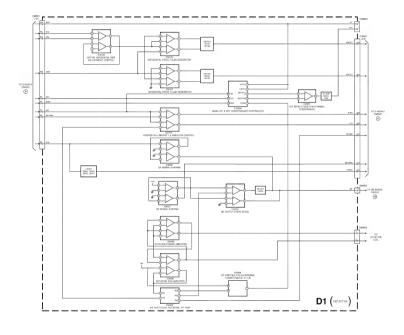


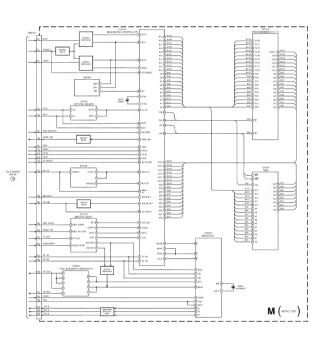


43 45 45

#### BLOCK DIAGRAMS (4)

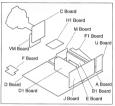






48 59 51 51





## 5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

#### Pitch : 5mm Electrical power rating : 1/4W

- Chip resistors are 1/10W
   All resistors are in ohms.
   k = 1000 ohms, M = 1000,000 ohms.
- : nonflammable resistor.
- - tusible resistor.
- △ : Internal component. : panel designation or adjustment for repair.

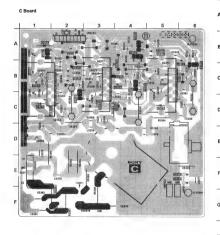
- All variable and adjustable resistors have characteristic curve & unless otherwise noted,
   All vollages are in Volts.
   Readings are taken with a 10Mcbm digital mutinester,
   Readings are taken with a color bar input signal.
   Voltage variations may be noted due to normal production follorence.

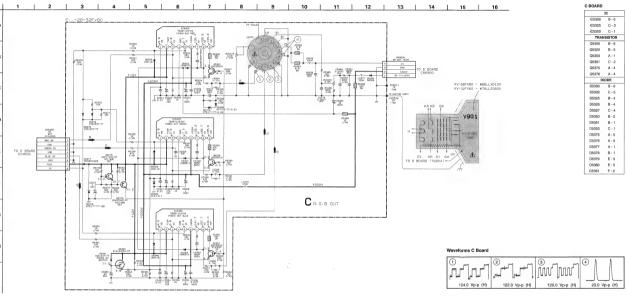
- . - : B-bas.
- : B + bus.

#### Reference Information

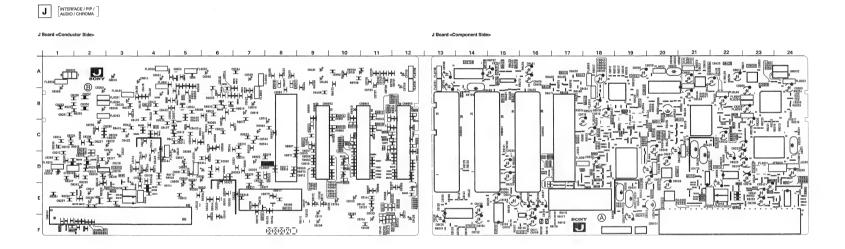
RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NON FLAMMABLE CARBON
	FUSE	: NON FLAMMABLE FUSIBLE
	RS	: NON FLAMMABLE METAL OXIDE
	RB	: NON FLAMMABLE CEMENT
	RW	: NON FLAMMABLE WIREWOUND
	*	: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	41.0	- MICH DIDDLE



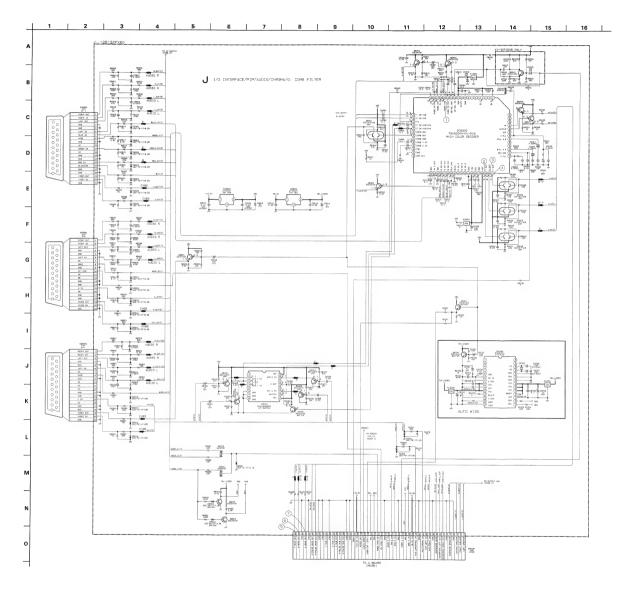




| Description |



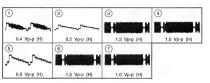
59 . 60 61 61



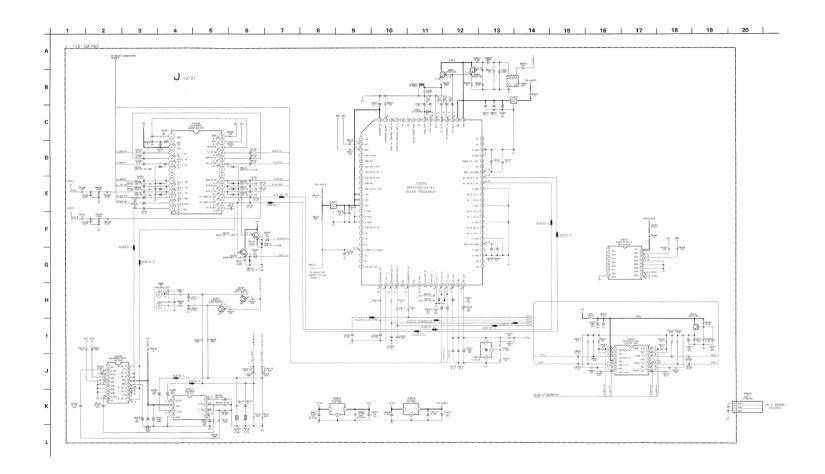
#### J BOARD \* MARK

Ref	23FX000A	2073(698)	28FX60D	28FX6GE	28FX60K	28FXHOR	28FX60U	32FX60A	32FX60B	32FX61D	32FX60E	32FX666K	32FX60R	32FX60U
R0347	-								100					
R8348	-		-						SHORT 0					

#### Waveforms J1(1/2) Board

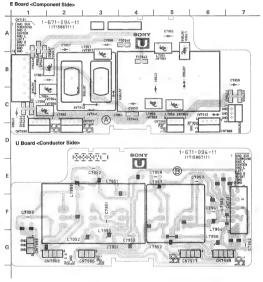


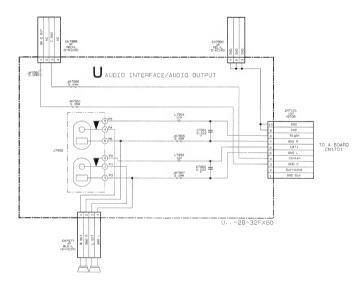
63 66 65



67 68 69

## [AUDIO INTERFACE / OUTPUT]





72 73 73

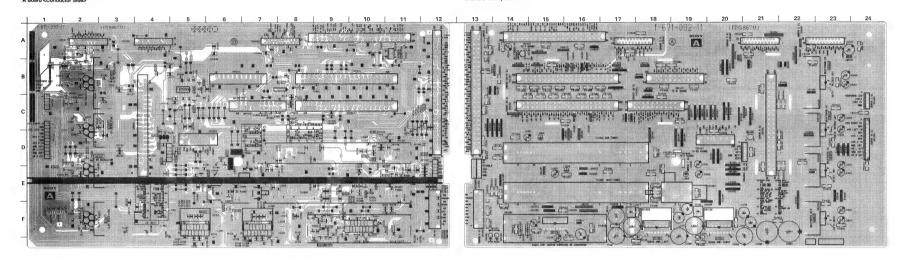


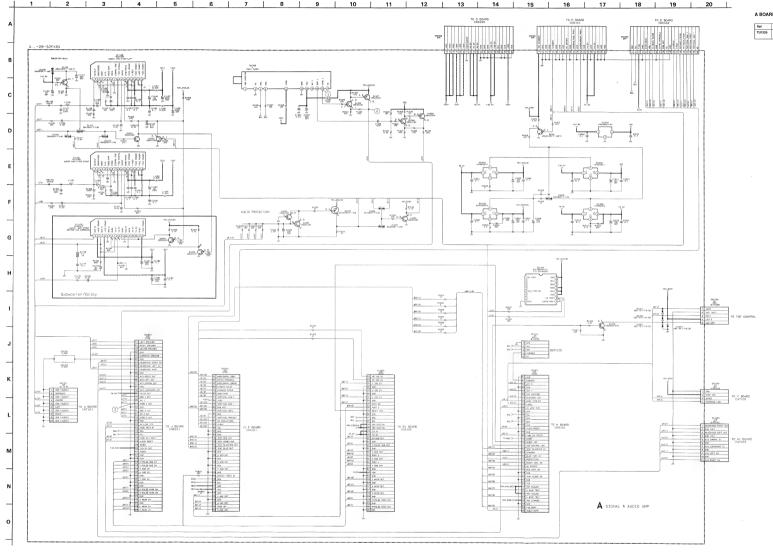
A [SIGNAL AND AUDIO AMP]

#### A BOARD

	IC	DI	ODE	
IC1126	F-6	D1100	A - 2	
IC1151	F-5	D1101	B-2	
IC1176	G - 15	D1102	B - 2	
IC1400	B - 5	D1103	B - 4	
IC1601	C-3	D1401	E - 4	
IC1602	B-3	D1402	D-5	
IC1603	A - 11	D1403	D - 4	
IC1604	D-3	D1404	D-5	
IC1605	F-3	D1626	B-6	
TRAN	SISTOR	D1627	C-5	
Q1100	A-2	D1629	E - 1	
Q1201	D-6			
Q1202	E-6			
Q1203	F-9			
Q1204	F-9			
Q1226	G - 9			
Q1227	G - 9			
Q1326	E - 11			
Q1327	E - 11			
Q1328	E - 10			
Q1329	E - 10			
Q1400	D - 4			
Q1626	B - 5			

#### A Board <Component Side>



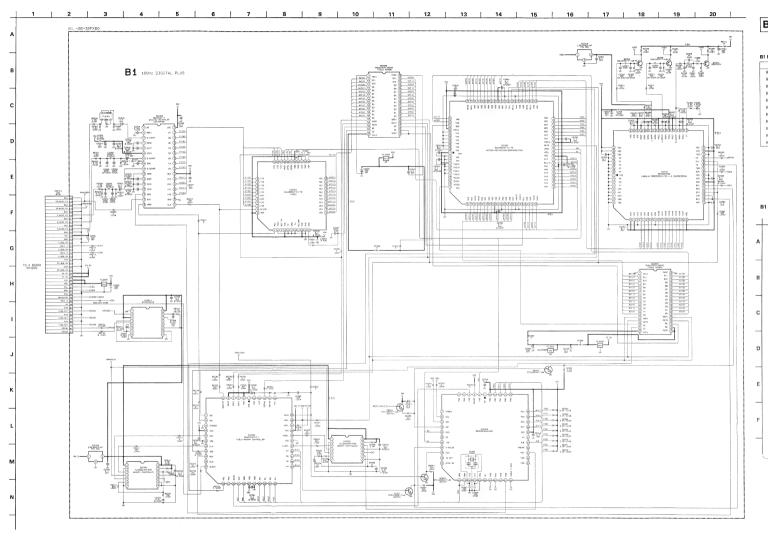


#### A BOARD \* MARK

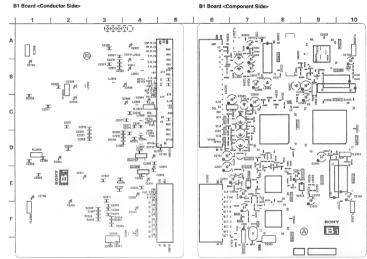
Ref	28FX60A	28FX806	28FX60D	28FX60E	28FX80K	28FX60R	28FX60U	32FX60A	32FXt0B	32FX60D	32FX60E	32FX60K	32FX60R	32FX60
TU1326	TUNER/VIF	TUNER/MF	TUNERVIF	TUNERWIF	TUNER/VIF	TUNER/MF	TUNERAIF	TUNER/VIF	TUNER/VIF	TUNER/VIF	TUNER/VIF	TUNER/VIF	TUNER/VIF	TUNER/
	(AEP)	(FR)	(AEP)	(AEP)	(AEP)	(AEP)	(UK)	(AEP)	(FR)	(AEP)	(AEP)	(AEP)	(AEP)	(AEP

#### Waveforms A Board



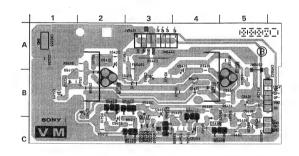


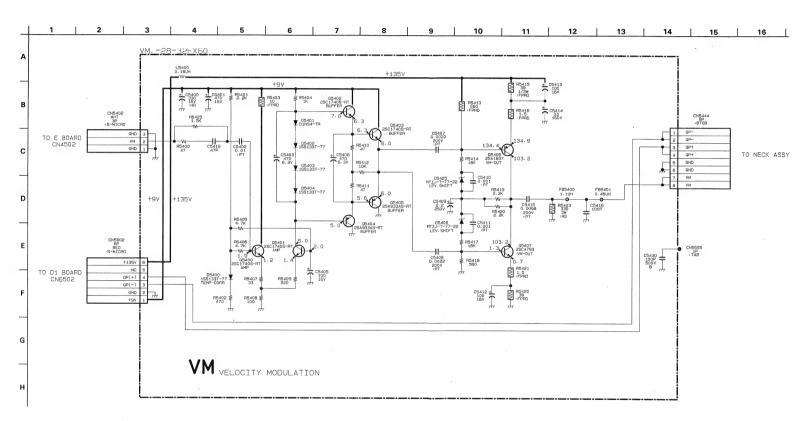
B1 [100Hz DIGITAL PLUS]





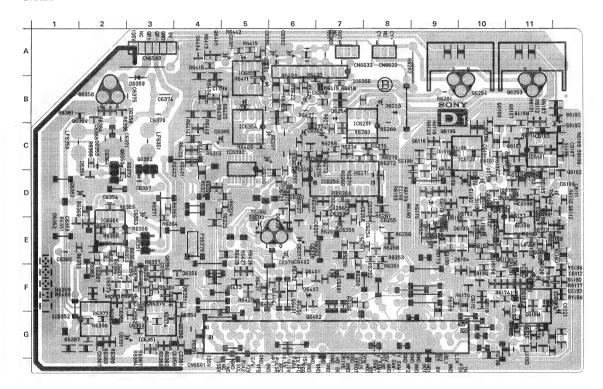
/M Board





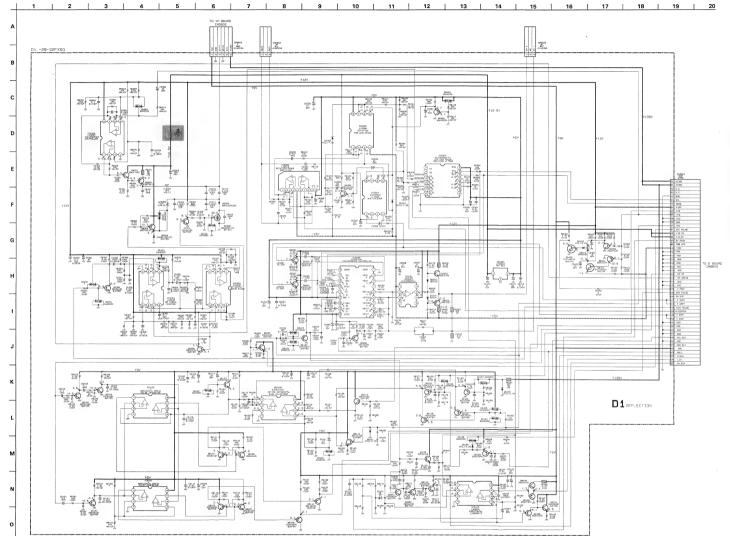


#### D1 Board



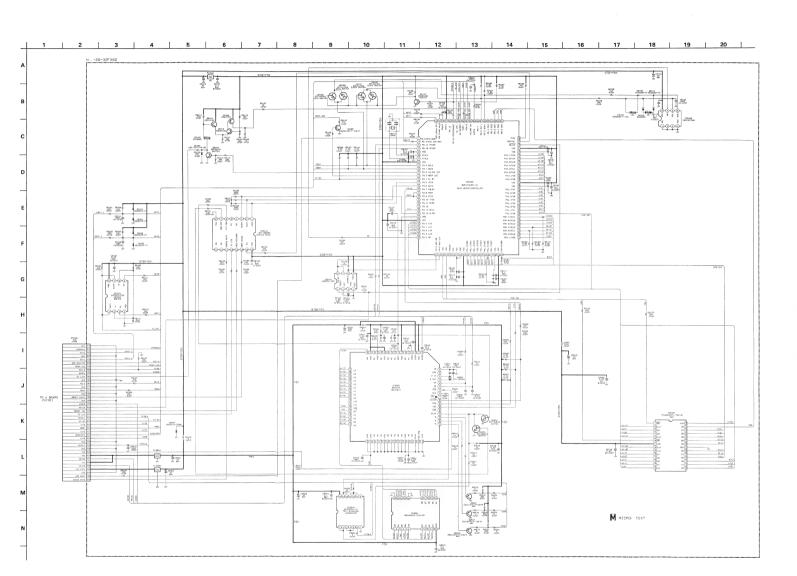
D1 BOARD

IC IC6100 C - 9 IC6101 C - 12 IC6102 D - 11 IC6103 G - 12 IC6250 D - 8 IC6251 C - 8 IC6302 D - 5	Q6350 Q6351 Q6352 Q6353 Q6354 Q6356 Q6358 Q6401 Q6402 Q6403	E-8 E-3 D-3 C-2 C-2 G-4 B-2 F-7	
IC6101 C - 12 IC6102 D - 11 IC6103 G - 12 IC6250 D - 8 IC6251 C - 8	Q6352 Q6353 Q6354 Q6356 Q6358 Q6401 Q6402	D - 3 C - 2 C - 2 G - 4 B - 2	
IC6102 D - 11 IC6103 G - 12 IC6250 D - 8 IC6251 C - 8	Q6353 Q6354 Q6356 Q6358 Q6401 Q6402	C - 2 C - 2 G - 4 B - 2	
IC6103 G - 12 IC6250 D - 8 IC6251 C - 8	Q6354 Q6356 Q6358 Q6401 Q6402	C - 2 G - 4 B - 2	
IC6250 D - 8 IC6251 C - 8	Q6356 Q6358 Q6401 Q6402	G - 4 B - 2	
IC6251 C - 8	Q6358 Q6401 Q6402	B - 2	
	Q6401 Q6402		
IC6302 D - 5	Q6402	F - 7	
IC6350 D - 3	06403	G - 6	
IC6351 G - 3	40400	F - 5	
IC6352 G - 1	Q6404	G - 6	
IC6353 E - 5	Q6455	C - 8	
IC6354 C - 5	Q6465	B - 5	_
IC6355 A - 5	DI	ODE	
IC6356 A - 6	D6100	D - 12	
TRANSISTOR	D6101	E - 12	
Q6100 D - 11	D6102	D - 10	
Q6101 C - 11	D6104	E - 9	
Q6102 C - 12	D6105	E - 9	
Q6104 C - 9	D6106	E - 8	
Q6105 B - 11	D6108	F - 11	
Q6106 C - 9	D6127	D-6	
Q6107 E - 11	D6128	E - 6	
Q6108 B - 10	D6129	D - 8	
Q6110 C-8	D6198	D - 8	
Q6118 G - 10	D6253	B - 8	
Q6119 E - 8	D6254	B - 7	
Q6120 E - 9	D6350	F - 4	
Q6122 E - 9	D6351	F - 4	
Q6123 E - 12	D6352	E - 1	
Q6125 H - 11	D6353	C-2	
Q6126 H - 11	D6354	D-2	
Q6127 E - 6	D6355	E-3	
Q6128 F - 12	D6358	B-2	
Q6130 H - 11	D6359	B-3	
Q6131 G - 12	D6401	F-7	
Q6201 F - 10	D6402	F-6	
Q6202 F - 10	D6403	A - 5	
Q6250 E - 8	D6404	A - 4	
Q6251 E - 8	D6405	A - 5	
Q6252 B - 10			
Q6253 B - 11			
Q6254 C - 2			

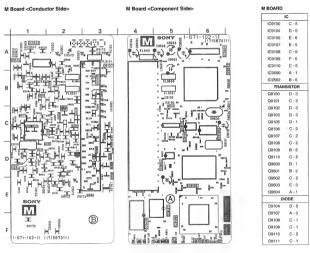


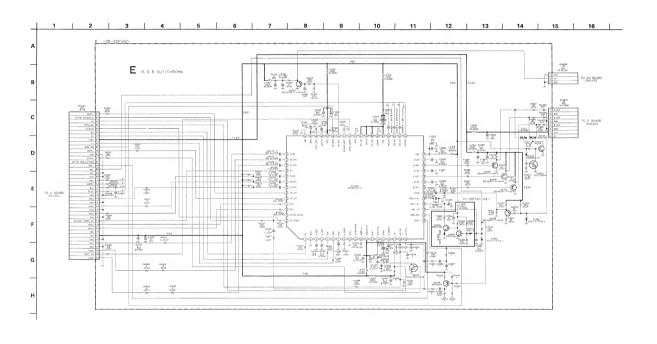
#### D1 BOARD \* MARK

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C6129	0.047WF	0.047MF	0.047MF	0.047MF	0.047MF	0.047MF	0.047MF	0.1MF	0.1MF	0.1MF	0.1MF	0.1MF	0.1MF	0.114F
C6130	220PF	220PF	220PF	220PF	220PF	220PF	220P#							
CN6502	1-564-509- 11	1-564-509-	1-584-529- 11	1-564-509- 11	1-054-009-	1-564-509-	1-564-509-	1-568-881-	1-563-861-	1-568-881-	1-568-881-	1-558-861-	1-568-861-	1-558-981- 51
D6350					-			DAN209K- T-146	DAN202K- T-146	DAN202K- T-146	DAN202K- T-146	DAN202K- T-146	DAN202K- T-146	DAN202K- T-146
IC6100	8-758-10- 393	8-759-10- 353	8-759-10- 393	8-759-10- 393	8-759-10- 393	8-759-10- 393	8-759-10- 393	8-759-45- 096	8-759-45- 095	8-759-45- 095	8-759-45- 095	8-759-45- 095	8-759-45- 095	8-759-45- 095
IC6101	8-750-10- 393	8-759-10- 393	8-759-10- 393	8-759-10- 393	8-759-10- 393	9-759-10- 393	8-759-10- 393	8-759-45- 095	8-759-45- 096	8-759-45- 095	8-759-45- 095	8-759-45- 095	8-759-45- 095	8-759-45- 095
106350	8-759-13- 580	8-759-00- 870												
106351	8-759-193- 93	8-759-450- 65	8-759-450- 95	8-759-450- 95	8-759-450- 95	8-759-450- 95	8-759-450- 95	8-759-450- 96						
106352	8-759-103- 93	8-759-103- 83	8-759-103- 93	8-759-103- 93	8-759-103- 93	6-759-103- 93	8-759-103- 93	8-759-450- 95	8-759-450- 95	8-799-450- 95	8-759-450- 95	8-759-450- 95	8-759-450- 95	8-759-450- 96
R6109	225	22K	22K	22K	22K	22K	22K	47K						
R6130	470K													
R6141	348.0	6.8K	6.8K	6.8K	6.8K	6.8K	6.8K	4.7K						
R6142	2.25	2.2K	2.2K	2.2K	2.2K	2.2K	2.2K	1.5K	1.8K	1.5K	1.5K	1.5K	1.6K	1.6K
R6145	1210	12K	12K	12K	12K	12K	12K	680	680	650	680	680	680	690
RG165	33K	4.7K												
R6154	2.2K	2.2%	2.2K	2.2K	2.2K	2.2K	2.2%	470	470	470	470	470	470	470
R6165	5.6K	5.6K	5.6K	5.6K	5.6K	5.6K	5.8K	4.7K						
R6158	1010	1010	10K	10K	10K	10K	10K	6.8K	6.8K	6.8K	6.8K	6.8K	6.8K	8.8K
R6160	SHORT 0	SHORT 6	SHORTO	SHORT 0	SHORT 0	SHORT 0	SHORT 0	1.5K	1.5K	1.5K	1.5K	1.5K	1.8K	1.5K
R6161	6.8K	6.8K	6.8K	8.8K	6.8K	8.8K	6.8K	5.6K						
R6174	12K	126	12K	12K	12K	12K	1255	28K	2214	25K	25K	22%	25K	22K
R6179	5.6K	5.6K	5.6K	5.6K	5.6K	5.6K	5.680	2.7K						
R8188	SHORT 0	SHORT 0	SHORT o	SHORT 0	SHORT 0	SHORT 0	SHORT 0	1K	1K	1K	1K	116	110	18
R6189	4.7K	4.7K	4.7K	4.7K	4.7K	4.7K	4.7%	116	100	1K	1K	116	116	1K
R6192	22K	22%	22K	22K	22K	22K	2255	4.7K	4.7K	4.7K	4.7K	4.7K	4.7K	4.7%
R8195	88K	68K	68K	63K	BBK	68K	58K	4.7K	4.7K	4.7K	4.7K	4.7K	4.7K	4.7%
R6198	12K	12K	1215	12K	12K	12K	1214	2210	2255	22K	22K	25K	22K	22K
R6215							-	47K	47%	47K	67K	47K	47K	47K
R6272	22K	22K	22K	22K	22K	22K	2214							
R8370	101<	10K	10K	10K	10K	10K	1010	1214	124	1290	12K	1210	12K	12K
R6410	10K	10%	10K	10K	10K	10K	106	126	1290	1215	12K	12K	12K	12%



M [ MICRO, TEXT]





E Board <Component Side>

E Board <Component Side

E Board <Component Side>

E Board <Component Side

E Board

[ RGB OUT / CHROMA ]

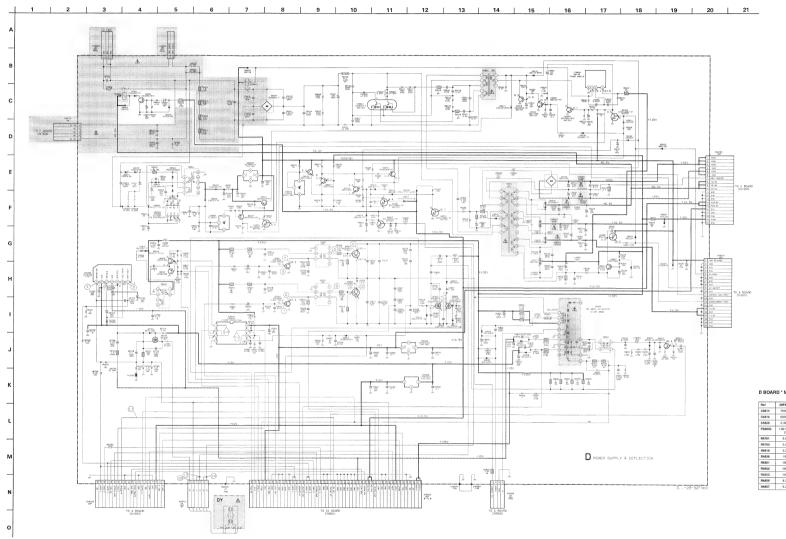
103

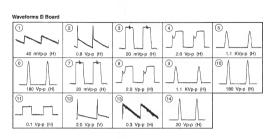
101

#### D BOARD

	IC	D8613	D - 12
IC6600	F-9	D6615	C - 12
IC6604	H - 11	D6616	D - 9
IC6651	G - 13	D6617	D-8
IC6652	A - 7	D6618	B - 11
IC6653	A - 9	D6619	B-8
108654	D - 12	D6620	B-9
IC8667	E - 14	D6621	B - 12
IC6676	D - 13	D6822	C - 13
IC6700	D-6	D6623	E-8
IC6801	A - 3	D6624	B - 13
TRAN	ISISTOR	D6625	A - 12
Q8600	J - 6	D6627	A - 10
Q6602	G-9	D6628	A - 13
Q6603	G-8	D6629	B - 12
Q6605	D - 12	D6651	I - 13
Q6606	A - 13	D6652	H - 13
Q6607	E-8	D6653	H - 13
Q6651	E - 13	D6654	G - 12
Q6652	E - 14	D6655	G - 13
Q6667	E - 13	D6656	E - 13
Q6676	D - 13	D6658	H - 13
Q6677	D - 14	D6659	F - 13
Q6678	D - 13	D6676	C - 13
Q6679	C - 13	D6677	C - 13
Q6680	C - 13	D6678	C - 13
Q6681	D - 13	D6679	D - 13
Q6700	C - 6	D6681	E - 13
Q6801	H-2	D6700	C-5
Q6802	E - 6	D6701	H-2
Q6803	F-2	D6803	B - 3
Q6804	D - 5	D6804	C-3
Q6805	E - 13	D6805	G - 3
Q6806	D - 3	D6806	H-3
Q6807	B - 13	D6807	G - 7
Q6809	A - 2	D6808	G - 8
Q6810	A - 2	D6809	B - 13
Q6851	1-2	D8811	D - 3
D	IODE	D8812	B - 2
D6600	J-7	D6813	B - 2
D6601	J - 7	D6851	H - 2
D6602	J - 6	D6852	1 - 2
D6603	D - 12		
D6604	1-11		
D6610	C - 12		

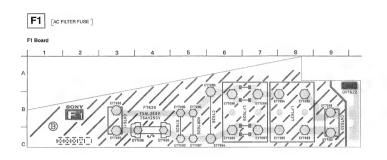
105 106 107 1

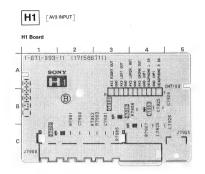


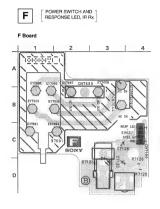


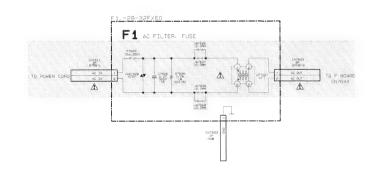
#### D BOARD \* MARK

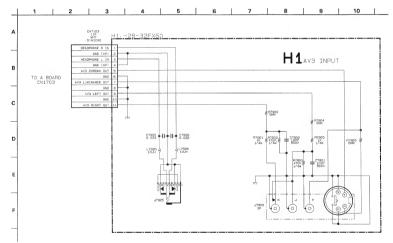
Ref	28FX60A	28FX40B	28FX60D	28FX60E	28FX60K	28FXSSCR	20700000	327X60A	32FX60B	32FX60D	32FXEGE	32FX90K	32FX60R	32FXEOU
C6814	7500PF	7500PF	7503PF	7500PF	7500PF	75C0PF	7500PF	6800PF	65COPF	6800PF	GECOPF	GROOPF	6800PF	EBOOPF
C6315	SSCOPE	6800PF	6803PF	6500Pf	6100PF	6800PF	6300PF	(6000b)	6200PF	6200Pf	6200PF	G200PF	6900PF	6500bt
C6826	0.39MF	0.39MF	0.39MF	0.59MF	0.59MF	0.39MF	0.39MF	0.33MF						
PS6693	1-901-550-	1-801-550-	1-801-550- 21	1-801-550- 21	1-801-550- 21	1-991-550- 21	1-801-550- 21	1-901-549- 21	1-801-549- 21	1-901-549- 21	1-801-548- 21	1-901-649- 21	1-801-549- 21	1-901-549- 21
R6701	5.6K	5.6K	5.6K	5.600	5.60	5.6K	5.6K	4.7K						
R6763	5.8K	5.695	5.6K	5.68	5.6K	5.6K	5.6K	4.7K						
16310	3.3K	3.3%	3.8K	3.3K	3.3%	3.3K	3.3K	3.9K						
16836	15K	15K	15K	15K	15K	15K	15K	100	1010	1010	1010	10K	10K	10K
R6851	100K	100K	100K	100K	100K	100K	100K	220K						
16352	100K	100K	100K	100K	100K	100K	100K	220K						
R6853	100K	160K	100K	100K	100K	100K	100K	220K	220K	220K	220K	228K	220K	220K
16856	8.2K	8.2K	8.2K	8.2K	8.2K	8.2K	8.2K	6.8K	6.8K	6.8K	6.8K	6.8K	6.8K	8.8K
16857	. 8.2K	8.2K	8.2K	8.2K	8.2K	8.2K	8.2K	6.8K	6.8K	6.8K	6.8K	6.8K	6.8K	8.85

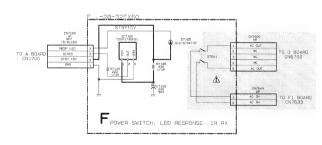




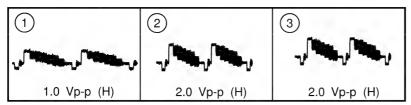




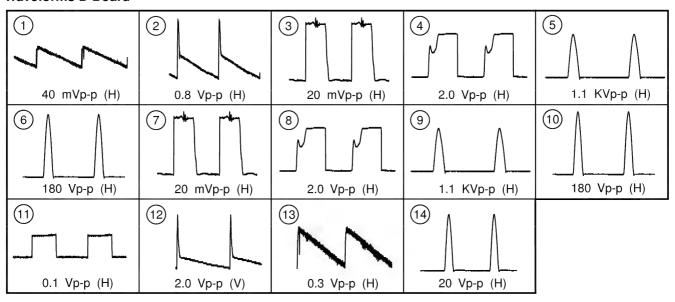




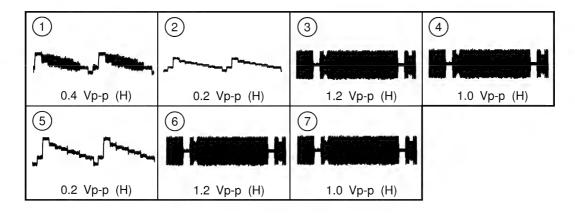
### **Waveforms A Board**



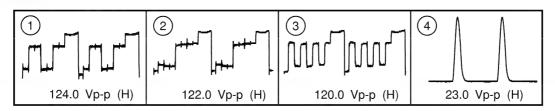
#### **Waveforms D Board**



## Waveforms J1(1/2) Board

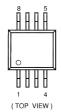


## **Waveforms C Board**



## **5-4 SEMICONDUCTORS**

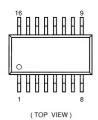
BA7046F BA7046F-T1 LM393PS-E20 MB3793-42NF MB3793-42NF-ER NJM2240M NJM2240M(TE2) NJM3404AD



CXA1855Q-T6



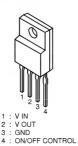
CXA1875AM-T4 HE4094BT MC14052BDR2 MC74F157ADR2 SN74LS221D 74HCT4046AD/S470



CXD2053S TDA4780/V3



KA78R05TU KA78R09TU KA78R33TU



4 : ON/OFF CONTROL

LM393D M5216P M24C32-BN6 ST24C16FB6 TDA2822M UPC393C



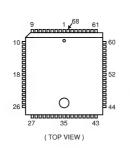
LM78L05ACZ LM78L12ACZ L78L05ACZ-AP L78L12ACZ-AP



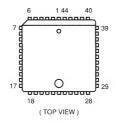
MB3793-42PNF-ER



MSP3410D-QA-B4 SAA7185WP SDA5273P-C134-GEG SDA5275



M27C800-100K1



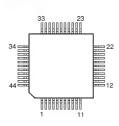
PC123F2 PC123FY2



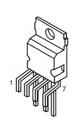
SBX1981-51



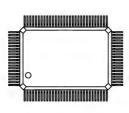
SDA9361



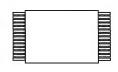
STV9379



SAB-C161R1-LM



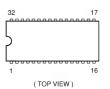
TC55257DFTL-70V-EL



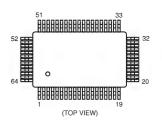
TDA7309D013TR



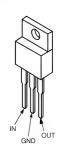
SDA9288X-B121 TDA9143/N2 TDA9144/N2 TDA9170T



TDA9320H-N1-518



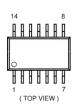
TEA6422DT LM393N



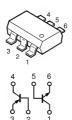
TOP209P



#### U2860B-BFPG3 74LVC08D



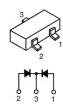
IMZ1A-T109



2SC2500-B 2SC2551-O 2SC2551O-TPE2



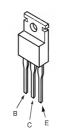
DAN202K DAN202K-T-146



BC546B BC556B



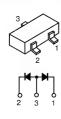
IRF614 IRF620



2SC2688-LK 2SC3840K



DAP202K DAP202K-T-146



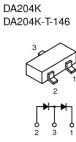
BF199 BF199-AMMO



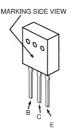
DTA144EK DTA144EK-T146 DTC114EK DTC123EK DTC123EK-T146

DTC144EK DTC144EK-T146 2SA1037K-T-146-R 2SA1162-G 2SC2412K-QR 2SC2412K-T-146-R

2SC3997CA



DTC114YKA-T146 DTC124EKA-T146



RGP02-20EG23 D1NL20-TA D1NL20U-TR RGP10GPKG23 RGP15GPKG23 D1N54-TR EGP20G S2LA20F 1SS133T-77 GP08D **1SS83** GP08DPKG23 1SS83TD

EL1Z

R2K-V1

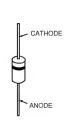
BF421-AMMO



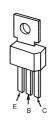
DTA144ESA DTA144ESA-TP DTC114ESA-TP DTC144ESA-TP 2SA1175-HFE 2SA733-K

2SA933AS-RT 2SA933AS-QRT 2SA933S-RT 2SC1740S-RT 2SC2785-HFE

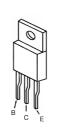
2SC4793



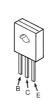
BF87-127



2SA1837



2SD2396H

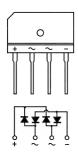


D10SC4M D10SC6M

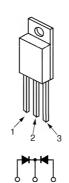




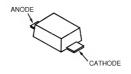
D4SB60L D4SB60L-F RBA-402L



ESAC39M-06C ESAC39M-06CF38



UF4005PKG23



ERA38-06TP1 ERA82-004TP1 GP08DPKG23 MTZJ-T-77-12 MTZJ-T-77-2.2B MTZJ-T-77-2.2 MTZJ-T-77-33C MTZJ-T-77-3.6B MTZJ-T-77-4.7B MTZJ-T-77-5.6B MTZJ-T-77-6.8 MTZJ-T-77-7.5B MTZJ-T-77-9.1 MTZJ-33C RD5.6ESB2 RD9.1ESB2 PGKE200AG23 1SS119-25 1SS119-25TD



MA3033-L

MA3033L-TX



ERC04-06SE



CATHODE

ANODE

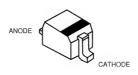
MA3051L-TX



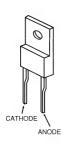
MA73-TX



RD12SB2 UDZ-TE-17-6.2B UDZ-TE-17-6.8B UDZ-TE-12B

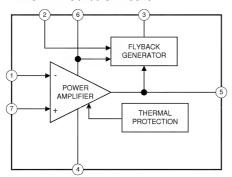


ERD08M-15

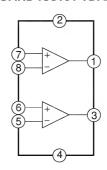


## 5-5. IC BLOCK DIAGRAMS

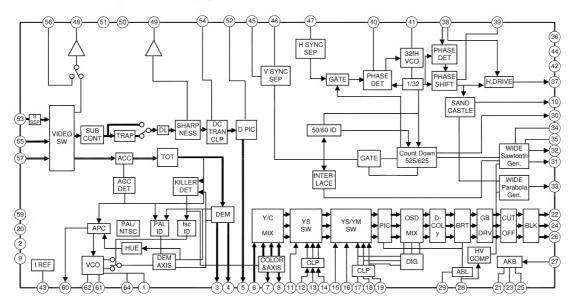
## **D BOARD IC6700 STV 9379**



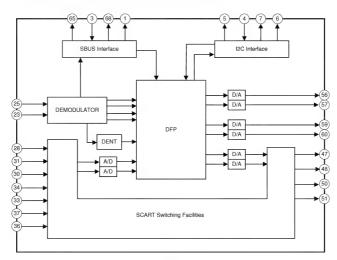
## J BOARD IC8101 TDA2822M



## E BOARD IC4301 CXA2100Q-TL



### J BOARD IC8200 MSP3410D-QA-B4



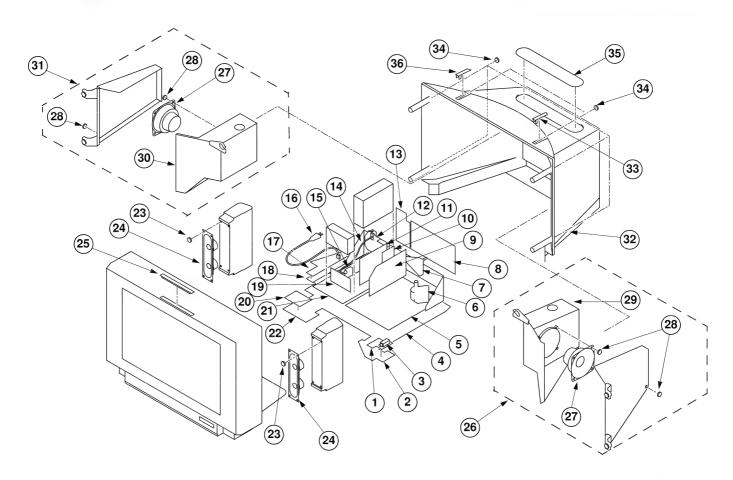
## SECTION 6 EXPLODED VIEWS

### NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Replace only with the part number specified.

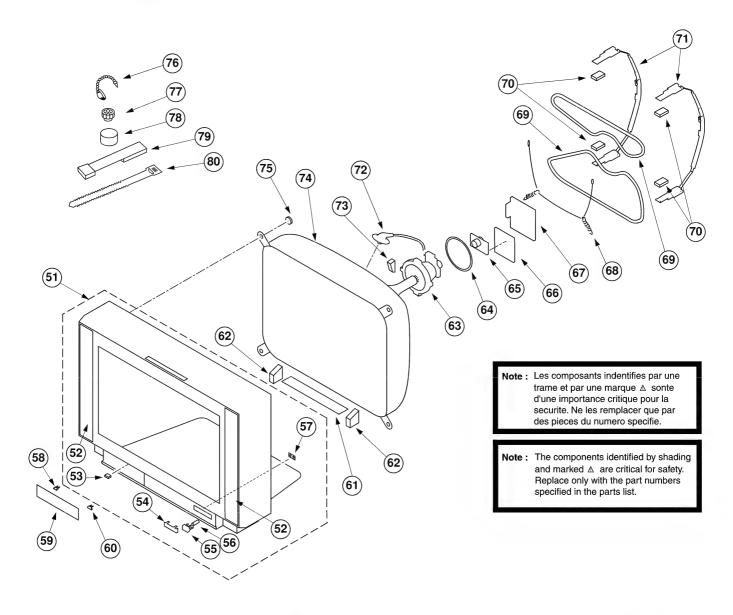
## 6-1. CHASSIS



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
1	*A-1624-073-A	F BOARD, COMPLETE		8	*A-1651-100-A	J BOARD, COMPLETE	
2	*4-204-551-01	BRACKET, F				(KV-28FX60A/28FX6	0B/28FX60D/28FX60E/
		(KV-28FX60A/28	FX60D/28FX60E/28FX60K/			28FX60K/28FX6	OR/28FX60U/32FX60A/
		28FX60R/32	FX60A/32FX60B/32FX60D/			32FX60D/32FX6	0E/32FX60K/32FX60R/
		32FX60E/32	FX60K/32FX60R/32FX60U)			32FX60U)	
	*4-204-551-21	BRACKET, F (KV-28E	X60B/28FX60U)		*A-1651-104-A	J BOARD, COMPLETE (KY	7-32FX60B)
3 △	1-571-433-21	SWITCH, PUSH (AC I	OWER)	9	*A-1640-329-A	D1 BOARD, COMPLETE (	W-28FX60)
4	*4-204-549-01	BRACKET, MAIN			*A-1640-322-A	D1 BOARD, COMPLETE (	TV-32FX60)
5	*A-1640-328-A	D BOARD, COMPLETE	(KV-28FX60)	10	*A-1640-341-A	E BOARD, COMPLETE (KY	7-28FX60)
	*A-1640-323-A	D BOARD, COMPLETE	(KV-32FX60)		*A-1640-337-A	E BOARD, COMPLETE (KY	7-32FX60)
6 A	1-453-272-11	TRANSFORMER ASSY,	FLYBACK	11	*A-1620-112-A	B1 BOARD, COMPLETE	
		(	NX-4512/U2B4)	12	*4-204-477-01	BRACKET, J2	
7	*4-204-476-01	BRACKET, J1		13	*A-1648-016-A	U BOARD, COMPLETE	
				14	1-790-082-11	CABLE, RF	

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
15	1-693-338-11	TUNER/VIF (AEP)		22	*4-204-550-01	BRACKET, H	
		(KV-28FX60A,	/28FX60B/28FX60D/28FX60E/			(KV-28FX60A/28FX60	D/28FX60E/28FX60K/
		28FX60K	/28FX60R/32FX60A/32FX60D/			28FX60R/32FX60	A/32FX60B/32FX60D/
		32FX60E	/32FX60K/32FX60R)			32FX60E/32FX60	R/32FX60U)
	1-693-340-11	TUNER/VIF (FR) (I	(V-32FX60B)		*4-204-550-21	BRACKET, H (KV-28FX60B	/28FX60U)
	1-693-339-11	TUNER/VIF (UK) (I	(V-28FX60U/32FX60U)	23	4-039-358-01	SCREW (4X16), (+) BV T	APPING
16 🛕	1-574-062-61	CORD, POWER (WITH	H CONNECTOR)	24	1-529-153-11	SPEAKER (4.8X20CM)	
		(KV-28FX60A/28	3FX60B/28FX60D/28FX60E/	25	0-553-509-00	SWITCH, ARRAY	
		28FX60K/2	3FX60R/32FX60A/32FX60B/	26	A-1678-188-A	WOOFER (R) ASSY	27-29
		32FX60D/3	2FX60E/32FX60K/32FX60R)	27	1-529-144-11	SPEAKER (13CM)	
Δ	1-590-762-21	CORD, POWER (WITH	H UK PLUG)	28	4-039-355-11	SCREW (4X12), (+) BV T	APPING
			(KV-28FX60U/32FX60U)	29	*A-1678-158-A	WOOFER (R) ASSY, SP FX	
17	*A-1624-074-A	F1 BOARD, COMPLE	TE .	30	*A-1678-157-A	WOOFER (L) ASSY, SP FX	
18	*4-204-552-01	BRACKET, F1		31	A-1678-150-A	WOOFER (L) ASSY	27,28,30
19	*A-1634-047-A	M BOARD, COMPLETE	I.	32	4-204-459-01	COVER, REAR (KV-28FX60	)
20	*A-1646-170-A	H1 BOARD, COMPLET	TE .		4-204-367-21	COVER, REAR (KV-32FX60	)
21	*A-1630-978-A	A BOARD, COMPLETE	1	33	4-204-427-01	COVER, SCREW (L) (KV-2	8FX60)
		(KV-28FX60A/28	FX60B/28FX60D/28FX60E/		4-204-369-01	COVER, SCREW (L) (KV-3	2FX60)
		28FX60K/28	3FX60R/32FX60A/32FX60D/	34	4-302-404-03	SCREW (WASHER HEAD) (+P	4X16)
		32FX60E/32	2FX60K/32FX60R)	35	*4-204-458-01	COVER, PORT	
	*A-1630-989-A	A BOARD, COMPLETE	E (KV-28FX60U/32FX60U)	36	4-204-428-01	COVER, SCREW (R) (KV-2	8FX60)
	*A-1630-988-A	A BOARD, COMPLETE	E (KV-32FX60B)		4-204-370-01	COVER, SCREW (R) (KV-3	2FX60)

## 6-2. PICTURE TUBE



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
51	X-4200-417-2	BEZNET ASSY (KV-	28FX60) 52-57	60	4-045-250-01	DAMPER	
	X-4200-412-3	BEZNET ASSY (KV-	32FX60)	61	4-203-128-31	SHEET, BLOTTING (K	V-28FX60)
52	4-204-368-01	GRILLE, SPEAKER	(KV-32FX60	62	*4-203-098-01	SUPPORTER, CRT (KV	-32FX60)
53	4-042-192-01	CATCHER, PUSH		63 △	1-451-481-11	DEFLECTION YOKE (Y	28RCV2) (KV-28FX60)
54	4-204-492-01	WINDOW, ORNAMENT	AL	Δ	1-451-480-11	DEFLECTION YOKE (Y	32RCV2) (KV-32FX60)
55	4-204-438-01	BUTTON, POWER		64	1-452-896-11	COIL, NA ROTATION	(RT200)
56	4-202-964-11	SPRING		65 △	8-453-011-11	NECK ASSY, NA299-M	
57	4-204-439-01	GUIDE, LIGHT		66	*A-1644-094-A	VM BOARD, COMPLETE	
58	4-202-555-01	SHAFT, DOOR		67	*A-1638-123-A	C BOARD, COMPLETE	
59	4-204-435-31	DOOR (KV-28FX60A	/28FX60B/28FX60D/28FX60K/	68	4-369-318-51	SPRING, TENSION	
		28FX60R	/28FX60U/32FX60A/32FX60D/	69 △	1-416-466-11	COIL, DEMAGNETIC (	KV-28FX60)
		32FX60K	/32FX60R)	Δ	1-416-769-11	COIL, DEMAGNETIC (	KV-32FX60)
	4-204-435-41	DOOR (KV-28FX60E 32FX60U	/28FX60U/32FX60B/32FX60E/ )	70	*4-202-988-01	CUSHION, BOX	

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
71	*4-057-303-01	HOLDER, DGC (KV-28FX60)		75	4-036-188-01	SCREW, SELF TAPPING	
	*4-059-569-01	HOLDER, DGC (KV-32FX60)		76	4-308-870-00	CLIP, LEAD WIRE	
<b>72</b> △	1-251-317-31	CAP ASSY, HIGH-VOLTAGE		77	1-452-094-00	MAGNET, ROTATABLE DISK;	15MM
73	3-704-495-01	SPACER, DY		78	1-425-032-00	MAGNET, DISK; 10MM	
74 △	8-737-785-05	PICTURE TUBE (W66LX010X)	(KV-28FX60)	79	X-4387-214-1	PERMALLOY ASSY, CORRECT	ION
Δ	8-735-054-05	PICTURE TUBE (W76LLZ060X	) (SD-302)	80	3-701-007-00	BAND, BINDING	
			(KV-32FX60)				

## SECTION 7 ELECTRICAL PARTS LIST

Note: Les composants indentifies par une trame et par une marque ∆ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.

- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- RESISTORS
- All resistors are in ohms.
- F: nonflammable.

When indicating parts by reference number, please include the board name.

CAPACITORS MF: mF, PF: mmF COILS MMH: mH, uH

**B1** 

DEE NO	DADT NO	DECODIDATO	M	וח	EMADV	DEE NO	DADT NO	DECODINTIO	M	DE	MADV
REF. NO.	PART.NO	DESCRIPTIO	IN .	K	EMARK	REF. NO.	PART.NO	DESCRIPTIO	IN	KE	MARK
	*A-1620-112-A	,				C2340		CERAMIC CHIP		10%	25V
		******	*****			C2342		CERAMIC CHIP		10%	25V
						C2343	1-126-961-11		2.2MF	20%	50V
	< CAI	PACITOR >				C2344		CERAMIC CHIP		10%	25V
						C2345	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2301	1-126-934-11		220MF	20%	16V				44	•••	
C2302		CERAMIC CHIP		10%	25V	C2346	1-126-964-11		10MF	20%	50V
C2303	1-126-964-11		10MF	20%	50V	C2347		CERAMIC CHIP		5% 	50V
C2304		CERAMIC CHIP		5%	50V	C2348		CERAMIC CHIP		5%	50V
C2305	1-163-259-91	CERAMIC CHIP	220PF	5%	50V	C2349		CERAMIC CHIP		10%	25V
						C2350	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2306		CERAMIC CHIP		5%	50V						
C2307		CERAMIC CHIP		10%	25V	C2351		CERAMIC CHIP		10%	25V
C2308	1-163-125-00			5%	50V	C2354	1-126-934-11		220MF	20%	16V
C2309	1-126-934-11		220MF	20%	16V	C2356		CERAMIC CHIP		10%	25V
C2311	1-126-963-11	ELECT	4.7MF	20%	50V	C2357		CERAMIC CHIP		10%	25V
-004	4 400 000 00		4 500			C2358	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C2312	1-126-963-11		4.7MF	20%	50V						
C2313	1-126-963-11		4.7MF	20%	50V	C2361		CERAMIC CHIP		10%	25V
C2314		CERAMIC CHIP		5%	50V	C2362		CERAMIC CHIP		10%	25V
C2315		CERAMIC CHIP		10%	16V	C2363	1-126-934-11		220MF	20%	16V
C2316	1-110-501-11	CERAMIC CHIP	0.33MF	10%	16V	C2364		CERAMIC CHIP		5%	50V
						C2366	1-102-518-11	CERAMIC CHIP	33PF	5%	50V
C2317		CERAMIC CHIP			16V						
C2318		CERAMIC CHIP		10%	25V	C2367		CERAMIC CHIP		10%	25V
C2319		CERAMIC CHIP		10%	25V	C2368		CERAMIC CHIP		10%	25V
C2320		CERAMIC CHIP		10%	16V	C2371	1-102-518-11			5%	50V
C2323	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	C2372	1-164-004-11			10%	25V
						C2374	1-102-518-11	CERAMIC CHIP	33PF	5%	50V
C2324		CERAMIC CHIP		10%	25V						
C2325		CERAMIC CHIP		10%	25V	C2377		CERAMIC CHIP		10%	25V
C2327		CERAMIC CHIP		10%	25V	C2378		CERAMIC CHIP		10%	25V
C2328		CERAMIC CHIP		10%	25V	C2380		CERAMIC CHIP		5%	50V
C2329	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C2381		CERAMIC CHIP		10%	25V
~~~~	4 444 444 55	AMBALIFA	0.10=	440	0.500	C2382	1-164-004-11	CERAMIC CHIP	U.1MF	10%	25V
C2330		CERAMIC CHIP		10%	25V				A 4.00-	40-	
C2331		CERAMIC CHIP		10%	25V	C2383		CERAMIC CHIP		10%	25V
C2332	1-163-105-00			5%	50V	C2385		CERAMIC CHIP		10%	25V
C2333		CERAMIC CHIP		10%	25V	C2387		CERAMIC CHIP		2%	100V
C2334	1-126-964-11	ELECT	10MF	20%	50V	C2388	1-136-479-11		0.001MF	1%	100V
				4		C2389	1-163-085-00	CERAMIC CHIP	2PF	0.25PF	50V
C2335		CERAMIC CHIP		10%	25V						
C2337		CERAMIC CHIP		5%	50V	C2390	1-102-852-91		47PF	5%	50V
C2338	1-126-934-11		220MF	20%	16V	C2391	1-102-852-91		47PF	5%	50V
C2339	1-164-005-11	CERAMIC CHIP	0.47MF		25V	C2704	1-126-934-11	ELECT	220MF	20%	16V

## **B**1

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPT	ON		REMARK
C2705	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	R2304	1-216-051-00	RES,CHIP	1.2K	5%	1/10W
				R2305	1-216-065-91				1/10W
	< 0.01	NECTOR >		R2306	1-216-295-91				-,
	( 001	indicion /		R2307	1-216-049-91			58	1/10W
N12100	1_605_201_11	CONNECTOR, BOARD TO	DOADD AAD	R2310	1-216-049-91	RES, CRIP		ეი 5%	
:N2100	1-090-301-11	CONNECTOR, BOARD TO	BOARD 40P	K2310	1-210-049-91	RES, CHIP	1K	26	1/10W
	< FII	TER >		R2312	1-216-049-91			5%	1/10W
				R2313	1-216-047-91			5%	1/10W
L2300	1-236-071-11	ENCAPSULATED COMPONE	NT	R2314	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
L2301	1-233-767-21	FILTER		R2315	1-216-063-91 1-216-113-00	RES, CHIP	470K	5%	1/10W
L2302	1-236-071-11	ENCAPSULATED COMPONE	NT	R2316	1-216-073-00	RES, CHIP	10K		1/10W
L2303		ENCAPSULATED COMPONE				,			•
L2305	1-236-071-11	ENCAPSULATED COMPONE	NI	R2317	1-216-025-91	RES CHIP	100	5%	1/10W
12303	1 250 071 11	DROALDOLLAIDD COM ONL	<b>1</b>	R2320	1-216-295-91		0	3 0	1/1011
	4 70			R2321					
	< 1C	<i>&gt;</i>		K2321	1-216-295-91		0	<b>F</b> 0	4 /4 000
				R2337			1K	5%	1/10W
C2300	8-759-991-41	IC LM78L05ACZ		R2338	1-216-295-91	SHORT	0		
C2301	8-759-295-09	IC TLC2932IPW							
C2302	8-759-257-59	IC TDA8755T-T		R2341	1-216-295-91	SHORT	0		
C2303	8-759-438-64	IC SAA4952WP/V1		R2345	1-216-025-91	RES, CHIP	100	5%	1/10W
C2304	8-759-546-02	IC SAA4995WP-V1-T3	N .	R2348	1-216-089-91		47K		1/10W
				R2355	1-216-295-91	,	0	•	-,
C2305	8-750-205-00	TC TT.C2032TDW		R2356	1-216-063-91		3.9K	59	1/10W
C2305	0-103-230-03	TO THOUSAGED CORME		K2330	1-710-003-31	VEO'CUIL	3.31	٥٦	T/ TOM
.02306	8-759-439-27	1C TMS4C29/2-28DTR			1 016 005 01		•		
C2307	8-759-546-04	IC SAA4991WP-VI-T3		R2358	1-216-295-91		0		
C2308	8-759-572-55	IC P83C654KBA/585		R2359	1-216-001-00		10		1/10W
C2309	8-759-439-27	IC TMS4C2972-28DTR		R2360	1-216-085-00	RES,CHIP	33K		1/10W
				R2361	1-216-085-00	RES, CHIP	33K	5%	1/10W
C2310	8-759-991-41	IC LM78L05ACZ		R2362	1-216-295-91	SHORT	0		
C2311		IC SDA9280B22							
C2314		IC SN74LS221D		R2363	1-216-295-91	SHORT	0		
.02314	0 733 433 20	IC DR/THDZZID		R2364				E 0.	1/10W
	4 001				1-216-057-00 1-216-057-00	RES, CHIP	2.21		
	< CO1	.L >		R2365	1-216-057-00	RES, CHIP	2.2K		1/10W
				R2366	1-216-057-00	RES,CHIP	2.2K		1/10W
2300	1-408-597-31			R2367	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
L2301	1-410-435-21	INDUCTOR 220UH							
L2302	1-410-435-21	INDUCTOR 220UH		R2368	1-216-057-00 1-216-057-00	RES, CHIP	2.2K	5%	1/10W
2303	1-408-597-31			R2369	1-216-057-00	RES.CHIP	2.2K	5%	1/10W
2304	1-414-186-31			R2370	1-216-057-00		2.2K		1/10W
201	1 111 100 51	1110001011 33011		R2371	1-216-057-00		2.2K		
2205	1_400 600 01	INDUCTOR 10UH		R2371			2.2K		1/10W 1/10W
2305	1-408-603-31			K23/2	1-216-057-00	KES, CHIP	2.2K	<b>J</b> 6	T/ TOM
2306	1-414-186-31				4 044 4				4 /4 0=-
2307	1-414-384-11	INDUCTOR 5.6UH		R2373	1-216-065-91	,	4.7K		1/10W
				R2374	1-216-049-91		1K	5%	1/10W
	< TRA	NSISTOR >		R2375	1-216-049-91		1K	5%	1/10W
				R2376	1-216-049-91	RES, CHIP	1K	5%	1/10W
2301	1-801-806-11	TRANSISTOR DTC144EKA	-T146	R2377	1-216-049-91		1K	5%	1/10W
2302		TRANSISTOR DTC144EKA				,		- •	-,
2303		TRANSISTOR DTC144EKA		R2378	1-216-029-00	פעל כחום	150	5%	1/10W
2304		TRANSISTOR DTC144EKA	-1140	R2379	1-216-076-00		13K	5% 5°	1/10W
2305	8-729-216-22	TRANSISTOR 2SA1162-G		R2380	1-216-073-00	,	10K	5%	1/10W
				R2381	1-216-021-00		68	5%	1/10W
2306		TRANSISTOR 2SA1162-G		R2382	1-216-049-91	RES, CHIP	1K	5%	1/10W
2307	8-729-216-22	TRANSISTOR 2SA1162-G							
				R2383	1-216-049-91	RES, CHIP	1K	5%	1/10W
	< RES	SISTOR >		R2384	1-216-021-00		68	<b>5</b> %	1/10W
	1,100			R2385	1-216-037-00		330	5% 5%	1/10W
2200	1_016 051 00	מיני מעדה מינים	EQ 1/1/15					J-0	1/ 1VM
2300	1-216-051-00			R2386	1-216-295-91		0	F^	4 /4 0
10001	1-216-053-00			R2387	1-216-027-00	RES, CHIP	120	5%	1/10W
R2301				1					
R2301 R2302 R2303	1-216-067-00 1-216-059-00			R2388	1-216-037-00		330	5%	1/10W

The components identified by shading and marked ⚠ are critical for safety
Replace only with the part number specified.

for sat	ce only with the							<b>B</b> 1	F	:	F1	
REF. NO.	PART.NO	DESCRIPTION	N		REMARK	REF. NO.	PART.NO	DESCRIPTION		REMA	ARK	
R2389	1-216-069-00	'	6.8K		1/10W		< CON	NECTOR >				
R2390	1-216-049-91		1K	5%	1/10W							
R2391	1-216-025-91		100	5%	1/10W	CN7100		PIN, CONNECTOR 4P				
R2392	1-216-295-91		0					PIN, CONNECTOR (PC		5P		
R2393	1-216-295-91	SHORT	0			CN7644 △	\ *1-580-844-11	PIN, CONNECTOR (PO	WER)			
R2394	1-216-295-91		0				< DIO	DE >				
R2395	1-216-295-91		0				. =					
R2396	1-216-295-91		0			D7125	8-719-030-11	DIODE SLA-570KT3F				
R2397	1-216-295-91		0				470					
R2398	1-216-295-91	SHORT	0				<ic< td=""><td>&gt;</td><td></td><td></td><td></td><td></td></ic<>	>				
R2410	1-216-037-00		330	<b>5</b> %	1/10W	IC7125	8-749-014-59	IC TSOP1740KS1				
R2411	1-216-037-00		330	5%	1/10W		4.550	TOMOR .				
R2412	1-216-668-11			0.50%	•	1	< RES	ISTOR >				
R2413	1-216-059-11	•		0.50%	T/10M	27105	1 047 015 01	01000 000	<b>F</b> 0	4 / 4		
R2415	1-216-295-91	SHORT	0			R7125 R7126	1-247-815-91 1-249-411-11			1/4W 1/4W		
R2711	1-216-001-00		10	5%	1/10W							
R2712	1-216-295-91		0				< SWI	TCH >				
R2713	1-216-295-91		0									100
R2714	1-216-295-91		0			\$7601 △	1-571-433-21	SWITCH, PUSH (AC P	OWER)			
R2715	1-216-295-91	SHORT	0			*****	*****	*****	*****	*****	*****	
R2716	1-216-295-91	SHORT	0									
R2717	1-216-295-91	SHORT	0				*A-1624-074-A	F1 BOARD, COMPLETE				
R2718	1-216-295-91	SHORT	0					*******	k			
R2719	1-216-295-91	SHORT	0									
R2720	1-216-295-91	SHORT	0				< CAP	ACITOR >				
R2721	1-216-295-91		0			C7626 △	1-136-519-12	FILM 0.47M	F 2	0% 3	00V	
R2722	1-216-295-91		0									
R2723	1-216-027-00		120	5%	1/10W		< CON	NECTOR >				
R2724	1-216-295-91		0		4.44.0							
R2725	1-216-021-00	RES,CHIP	68	5%	1/10W	CN7611 A		PIN, CONNECTOR (PO TAB (CONTACT)	WER)			
R2726	1-216-295-91	SHORT	0			CN7633 △	×1-580-843-11	PIN, CONNECTOR (PO	WER)			
R2727	1-216-295-91	SHORT	0									*
R2734	1-216-295-91	SHORT	0				< FUS	E >				
R2735	1-216-021-00	,	68	5%	1/10W							
R2736	1-216-295-91	SHORT	0				1-532-505-00 *1-533-725-11	FUSE 5A/250V HOLDER, FUSE (F762	6)			
R2738	1-216-025-91	RES,CHIP	100	5%	1/10W		/ MD3	NCEODMED				
	< CR	YSTAL >						NSFORMER >				
x2300	1-579-175-11	VIBRATOR, CER	RAMIC			LF7627 △	1-433-488-11	TRANSFORMER, LINE	FILTER			
	*****	,		. 4 4 4 4 4 4	*****		< RES	ISTOR >				
******						R7626 △	1-202-885-91	SOLID 1M	20%	1/2W		
	*A-1624-073-A	F BOARD, COM					< VAR	ISTOR >				
	*4-203-258-11	HOLDER TED				VDR7626 A	1-801-073-31	VARISTOR ERZV14D47	1			
		,				IDENIUE OF	. 1 001 019 51					ı
	< CAI	PACITOR >										
C7125	1-126-969-11	ELECT	220MF		20% 50V							



REF. NO.	PART.NO	DESCRIPTIO	N		REMARK	REF. NO.	PART.NO	DESCRIPTION	R	EMARK
	* A-1630-978-A	A BOARD, COM	PLETE			C1326	1-163-059-91	CERAMIC CHIP 0.01MF	10%	50V
		******				C1327	1-126-934-11		20%	10V
		(KV	-28FX60A/28	FX60B/	28FX60D/28FX60E/	C1328		CERAMIC CHIP 100PF	5%	50V
		,			32FX60A/32FX60D/	C1601		CERAMIC CHIP 0.1MF	10%	25V
			32FX60E/32			C1602		CERAMIC CHIP 0.1MF	10%	25V
	* A-1630-988-A	A BOARD, COM	PLETE (KV-3	2FX60B	1	C1603	1-126-933-11	ELECT 100MF	20%	16V
	n 1030 300 n	*******		LIMOUD	,	C1604	1-126-933-11		20%	16V
	* A-1630-989-A	A BOARD COM	DI.RTR (KV-2	AEX40II	/32FX60II\	C1605		CERAMIC CHIP 0.1MF	10%	25V
	1030 303	*******	,	0211000	, 522.11000 ,	C1607		CERAMIC CHIP 0.1MF	10%	25V
						C1608	1-126-934-11		20%	16V
	4-204-625-01	HEAT SINK, A	סדמנ			01000	1 110 331 11	22201	200	101
		SCREW (M3X10		1		C1609	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
	*4-931-401-01			'		C1610		CERAMIC CHIP 0.1MF	10%	25V
	. 551 401 01	Dalilly V				C1611	1-126-933-11		20%	16V
	< C31	PACITOR >				C1612		CERAMIC CHIP 0.1MF	10%	25V
	\ CA					C1612	1-126-933-11		20%	16V
21100	1-104-664-11	RLECT	47MF	20%	25V	51013	1 120 333-11	LUCI TOUR	200	101
C1101	1-104-666-11		220MF	20%	25V 25V	C1614	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
1126		CERAMIC CHIP		20% 10%	16V	C1615		CERAMIC CHIP 0.1MF	10%	25V 25V
C1127	1-130-785-81		0.33MF 0.47MF	5%	50V	C1617		CERAMIC CHIP 0.1MF	10%	25V 25V
C1127		CERAMIC CHIP		ეგ 5%	50V 50V	C101/	T-T04-004-11	CERTAIN CHIF V.IMF	100	£34
.1120	1-103-133-00	CERAMIC CHIP	JOUFF	Jo	J0 V		< CON	NECTOR >		
C1129	1-130-777-00		0.1MF	5%	63V					
C1130	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	CN1111	*1-564-520-11	PLUG, CONNECTOR 5P		
C1131	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	CN1200	1-695-298-11	CONNECTOR, BOARD TO BO	DARD 40P	
C1132	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	CN1401		CONNECTOR, BOARD TO BO		
21133	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	CN1600 CN1601		CONNECTOR ASSY 20P CONNECTOR ASSY 20P		
1134	1-126-961-11	ELECT	2.2MF	20%	50V	CMIONI	1-300-303-04	COMMECTOR ASSI ZUP		
C1135		CERAMIC CHIP		10%	25V	CN1602	1-900-903-64	CONNECTOR ASSY 20P		
C1136		CERAMIC CHIP		10%	25V	CN1700		PIN, CONNECTOR 4P		
C1137	1-126-943-11		2200MF	20%	25V	CN1701		CONNECTOR, BOARD TO BO	DARD 10P	
C1138	1-126-943-11		2200MF	20%	25V	CN1702		PIN, CONNECTOR 5P		
						CN1703		PLUG, CONNECTOR 11P		
C1139	1-104-329-11	CERAMIC CHIP	0.1MF	10%	50V					
C1140	1-128-560-11	ELECT	22MF	20%	100V	CN1801	1-695-299-11	CONNECTOR, BOARD TO BO	DARD 50P	
C1151	1-162-568-11	CERAMIC CHIP	0.33MF	10%	16V	CN1901	1-695-298-11	CONNECTOR, BOARD TO BO	DARD 40P	
C1152	1-130-785-11	MYLAR	0.47MF	5%	50V					
21153	1-163-135-00	CERAMIC CHIP	560PF	5%	50V		< DIC	DE >		
C1154	1-130-777-00	FILM	0.1MF	5%	63V	D1100	8-719-914-43	DIODE DAN202K		
C1155	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	D1101	8-719-914-44	DIODE DAP202K		
C1156	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	D1102	8-719-914-43	DIODE DAN202K		
C1157	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	D1103	8-719-914-43	DIODE DAN202K		
C1158		CERAMIC CHIP		10%	25V	D1401		DIODE RD6.2M-B1		
C1159	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	D1402	8-719-105-99	DIODE RD6.2M-B1		
C1160		CERAMIC CHIP		10%	25V	D1403		DIODE RD6.2M-B1		
C1161		CERAMIC CHIP		10%	50V	D1404		DIODE RD6.2M-B1		
C1162	1-128-560-11		22MF	20%	100V	D1626		DIODE DAN202K		
21177		CERAMIC CHIP		10%	25V	D1627		DIODE DAN202K		
	1 104 004 11	OLIGHIC CHIL	J. APIE	10.0	201	21021	0 /17 /17 13	2102 DAMEVEN		
21179	1-126-964-11		10MF	20%	50V	D1629	8-719-914-43	DIODE DAN202K		
C1180	1-126-943-11		2200MF	20%	25V					
C1181	1-126-943-11	ELECT	2200MF	20%	25V		< FEF	RITE BEAD >		
C1182		CERAMIC CHIP		10%	25V					
C1183	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	FB1126 FB1151		LEAD, JUMPER (5.0MM) LEAD, JUMPER (5.0MM)		
C1184	1-107-823-11	CERAMIC CHIP	0 47MF	10%	16V	101101	1 333 303-00	ZERD, COMERK (J. OPPI)		
C1226	1-107-623-11		330MF	20%	16V					
C1220	1-104-001-31	FIECI	JOUNE	208	104					



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	N		REMARK	
	< IC	>		R1128	1-216-041-00	RES, CHIP	470	5%	1/10W	
				R1151	1-216-631-11		150	0.50%	1/10W	
IC1126	8-759-544-25	IC TDA7482		R1152	1-216-075-00	RES, CHIP	12K	5%	1/10W	
IC1151	8-759-544-25	IC TDA7482		R1153		RES,CHIP	470	5%	1/10W	
IC1176	8-759-333-24	IC LM1876TF		R1176	1-216-063-91		3.9K	5%	1/10W	
IC1400	8-752-072-94	IC CXA1875AM-T4				,				
IC1601	8-759-457-44	IC KA78R05TU		R1179	1-216-357-00	METAL OXIDE	4.7	5%	1W F	
				R1182	1-216-081-00	RES, CHIP	22K	<b>5</b> %	1/10W	
IC1602	8-759-544-09	IC KA278R05TU		R1183	1-216-045-00	RES, CHIP	680	5%	1/10W	
IC1603	8-759-295-82	IC L78L08ACZ-AP		R1185	1-216-089-91	RES, CHIP	47K	5%	1/10W	
IC1604	8-759-544-13	IC KA78R09TU		R1201	1-216-089-91	RES, CHIP	47K	5%	1/10W	
IC1605	8-759-544-11	IC KA78R33TU								
				R1202	1-216-083-00		27K	5%	1/10W	
	< CO:	IL >		R1203	1-216-083-00	RES,CHIP	27K	5%	1/10W	
				R1204	1-216-071-00	RES,CHIP	8.2K	5%	1/10W	
L1126	1-416-857-11	INDUCTOR 6	5UH	R1205	1-216-089-91	RES,CHIP	47K	5%	1/10W	
L1127	1-414-158-11	INDUCTOR 2	.2UH	R1206	1-216-073-00	RES,CHIP	10K	5%	1/10W	
L1128	1-414-158-11	INDUCTOR 2	. 2UH							
L1151	1-416-857-11	INDUCTOR 6	5UH	R1207	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	
L1152	1-414-158-11	INDUCTOR 2	.2UH	R1208	1-216-089-91	RES,CHIP	47K	5%	1/10W	
				R1209	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	
L1153	1-414-158-11	INDUCTOR 2	. 2UH	R1210	1-216-089-91	RES,CHIP	47K	5%	1/10W	
L1326	1-414-183-41	INDUCTOR 1	OUH	R1226	1-216-073-00	RES, CHIP	10K	5%	1/10W	
	< TR	ANSISTOR >		R1227	1-216-073-00	RES,CHIP	10K	5%	1/10W	
				R1228	1-216-073-00	RES,CHIP	10K	5%	1/10W	
Q1100	8-729-216-22	TRANSISTOR 2SA11	62-G	R1229	1-216-073-00	RES,CHIP	10K	5%	1/10W	
Q1201	8-729-620-06	TRANSISTOR 2SC30	52-EF	R1230	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
Q1202	8-729-620-06	TRANSISTOR 2SC30	52-EF	R1232	1-216-295-91	SHORT	0			
Q1203	8-729-620-06	TRANSISTOR 2SC30	52-EF							
Q1204	8-729-620-06	TRANSISTOR 2SC30	52-EF	R1233	1-216-049-91	,	1K	5%	1/10W	
				R1326	1-216-025-91		100	5%	1/10W	
Q1226	8-729-620-06	TRANSISTOR 2SC30	52-EF	R1327	1-216-025-91		100	5%	1/10W	
Q1227		TRANSISTOR 2SC30		R1328	1-216-073-00	,	10K	5%	1/10W	
Q1229		TRANSISTOR DTA14		R1329	1-216-025-91	RES,CHIP	100	5%	1/10W	
Q1326	8-729-620-06	TRANSISTOR 2SC30	52-EF							
Q1327	8-729-216-22	TRANSISTOR 2SA11	62-G	R1330	1-216-041-00			5%	1/10W	
				R1331	1-216-041-00		470	5%	1/10W	
Q1328		TRANSISTOR 2SC30		R1332	1-216-041-00		470		1/10W	
Q1329		TRANSISTOR 2SA11		R1333	1-216-075-00		12K		1/10W	
Q1400		TRANSISTOR KSC25		R1334	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	
Q1601		TRANSISTOR 2SC30								
Q1626	8-729-620-06	TRANSISTOR 2SC30	52-EF	R1335	1-216-025-91		100	<b>5</b> %	1/10W	
				R1336	1-216-041-00	,	470	5%	1/10W	
	< RES	SISTOR >		R1337	1-216-041-00		470	5%	1/10W	
				R1338	1-216-001-00		10	5%	1/10W	
JR1601	1-216-296-91	SHORT 0		R1339	1-216-041-00	RES,CHIP	470	5%	1/10W	
									4 /4 ***	
R1001	1-216-295-91			R1340	1-216-043-91		560		1/10W	
R1002	1-216-295-91			R1400	1-216-053-00		1.5K		1/10W	
R1003	1-216-295-91			R1401	1-216-081-00		22K	5%	1/10W	
R1004	1-216-295-91			R1403	1-216-295-91		0			
R1005	1-216-295-91	SHORT 0		R1404	1-216-295-91	SHORT	0			
21000	1 040 000 00	anopm -		54.664	1 010 0== 0	BBA 400-	0 0	FA	4 /4 ^	
R1006	1-216-295-91			R1601	1-216-057-00			5%		
R1100	1-216-025-91		0 5% 1/10W	R1602	1-216-691-11				1/10W	
R1101	1-216-057-00		2K 5% 1/10W	R1603	1-216-025-91		100		1/10W	
R1102	1-216-057-00	•	2K 5% 1/10W	R1605	1-216-049-91		1K	<b>5</b> %	1/10W	
R1126	1-216-631-11	METAL CHIP 15	0 0.50% 1/10W	R1609	1-216-089-91	RES, CHIP	47K	58	1/10W	
D140F	1 016 055 60	DEG 00770 10	77 E0 1/10**	P4 C4 A	1 010 000 00	DEG 0075	,	<b>F</b> 0	1 /1 000	
R1127	1-216-075-00	RES, CHIP 12	K 5% 1/10W	R1610	1-216-065-91	RES, CHIP	4.7K	58	1/10W	

# A

REF. NO.	PART.NO	DESCRIPTIO	N	1	REMARK	REF. NO.	PART.NO	DESCRIPTION	F	REMARK
R1615	1-216-025-91	RES,CHIP	100	5% 1/10	)W	C9504	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
R1616	1-216-304-11	,		5% 1/10		C9505	1-104-665-11		20%	25V
R1617	1-216-304-11	,		5% 1/10		C9506		CERAMIC CHIP 100PF	5%	50V
R1618	1-216-295-91	,	0	-, 1,1		C9507		CERAMIC CHIP 0.22MF	10%	25V
R1621	1-216-293-91			5% 1/10	)W	C9507		CERAMIC CHIP 0.22MF	10%	25V 25V
VIOSI	1-210-021-00	NEO, CHIP	120	) <sub>0</sub> 1/10	J III	C3300	1-117-240-11	CERMIT CRIP U.ZZWF	100	234
R1622	1-216-029-00			5% 1/10		C9509		CERAMIC CHIP 100PF	5%	50V
R1623	1-216-033-00	RES,CHIP	220	5% 1/10	W	C9510		CERAMIC CHIP 0.22MF	10%	25V
R1625	1-216-295-91	SHORT	0			C9511	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
						C9512	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
	< TU	NER >				C9513	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
TU1326	1-693-338-11	TUNER/VIF (A	EP)			C9514	1-163-235-11	CERAMIC CHIP 22PF	5%	50V
		(KV-28FX60A)		28FX60D/2	28FX60E/	C9515		CERAMIC CHIP 22PF	5%	50V
				32FX60A/3		C9516		CERAMIC CHIP 100PF	5% 5%	50V
				32FX60R)		C9517		CERAMIC CHIP 0.01MF	10%	50V
	1_603_3/0_11	TUNER/VIF (F)		-		C9517		CERAMIC CHIP 0.01MF	10%	25V
		TUNER/VIF (F)			FX60U)	C3310	1-113-340-11	CERAMIC CHIP U.ZZMF	106	234
						C9519	1-126-964-11	ELECT 10MF	20%	50V
*****	******	*****	******	*****	*****	C9520	1-163-251-11	CERAMIC CHIP 100PF	5%	50V
	*A-1634-047-A	M BOARD, COM					< CON	NECTOR >		
						CN9101	1-695-301-11	CONNECTOR, BOARD TO BOX	ARD 40P	
	< CAI	PACITOR >					,	IDE \		
C9100	1-115-340-11	CERAMIC CHIP	0 22МБ	10%	25V		< DIC	DE >		
C9100		CERAMIC CHIP		10°s 5%	50V	D9100	0_710_000_40	DIODE 1SS355		
		CERAMIC CHIP			50V 50V	D9100 D9101		DIODE 1SS355 DIODE 1SS355		
C9102				5% 20%						
C9104	1-104-664-11		47MF	20%	25V	D9102		DIODE 1SS355		
C9105	1-164-004-11	CERAMIC CHIP	U.IMF	10%	25V	D9103		DIODE 1SS355		
00140	1 100 001 11	ABB11184 ****	0 000-	4	1.0	D9104	8-119-056-83	DIODE UDZ-TE-17-6.8B		
C9110		CERAMIC CHIP		10%	16V		0 H40 011 12	BEADE B1000-		
C9111		CERAMIC CHIP		10%	25V	D9105		DIODE DAN202K		
C9112		CERAMIC CHIP		10%	25V	D9107		DIODE 02CZ5.6-TE85L		
C9113		CERAMIC CHIP		10%	25V	D9108		DIODE DAP202K		
C9114	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	D9109		DIODE RD5.6M-B2		
C011E	1_115_240 11	CEDANTO CUTO	О ооми	100	25V	D9110	8-719-914-43	DIODE DAN202K		
C9115		CERAMIC CHIP		10%		D0111	0 710 105 01	DIODE DDE CH DO		
C9117		CERAMIC CHIP		10%	257	D9111	8-119-105-91	DIODE RD5.6M-B2		
C9118	1-104-664-11		47MF	20%	25V		. =	men .		
C9119		CERAMIC CHIP		5%	50V		< FII	TER >		
C9121	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	0.1.0.1	1 000 0=1 11	MINAS DAMES AND ASSESSED		
	4 445 515 11					FL9101		ENCAPSULATED COMPONENT		
C9122		CERAMIC CHIP		10%	25V	FL9500		ENCAPSULATED COMPONENT		
C9123		CERAMIC CHIP		10%	25V	FL9501	1-236-071-11	ENCAPSULATED COMPONENT		
C9124		CERAMIC CHIP		10%	25V					
C9125		CERAMIC CHIP		10%	25V		< IC	>		
C9126	1-163-105-00	CERAMIC CHIP	33PF	5%	50V	T00100	0 750 000 10	TG TW202D2		
C9127	1-163-105-00	CERAMIC CHIP	33pr	5%	50V	IC9100 IC9104	8-759-988-13 8-759-259-18	IC LM393PS IC MB3793-42PNF		
C9127		CERAMIC CHIP		ა 5%	50V 50V	IC9104 IC9105		IC SAB-C161R1-LM		
		CERAMIC CHIP								
C9129				5% = 0.	50V	IC9107		IC TC55257DFTL-70V		
C9130		CERAMIC CHIP		5% 5%	50V	IC9108	6-139-331-64	IC M24C32-BN6		
C9131	1-103-102-00	CERAMIC CHIP	33PF	5%	50V	IC9110	8-759-559-96	IC HEF4094BT		
C9132	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	IC9500		IC MC74F00M-T2		
		CERAMIC CHIP		10%	25V	IC9501		IC MB814400C-70PJN-ER		
L9400	040 11									
	1-104-664-11	ELECT	4'/MF	711%	250	109502	8-159-438-67	IU SUADZ/D		
C9400 C9500 C9502	1-104-664-11 1-104-664-11		47MF 47MF	20% 20%	25V 25V	IC9502	8-759-438-62	IC SDADZ/D		



REF. NO.	PART.NO	DESCRIPTION	N		REMARK	REF. NO.	PART.NO	DESCRIPTIO	N		REMARK	
	< CO:	IL >				R9145	1-216-049-91	RES,CHIP	1K	5%	1/10W	
						R9146	1-216-049-91	RES,CHIP	1K	5%	1/10W	
L9400	1-412-029-11	INDUCTOR CHIE	2 10UH			R9147	1-216-049-91	RES,CHIP	1K	5%	1/10W	
L9401	1-412-029-11	INDUCTOR CHIE	? 10UH			R9148	1-216-073-00		10K	5%	1/10W	
	/ mp:	ANSISTOR >				R9149	1-216-025-91	RES,CHIP	100	5%	1/10W	
	\ 1M	HINGISION >				R9150	1-216-025-91	RES, CHIP	100	5%	1/10W	
Q9100	8-729-620-06	TRANSISTOR 25	SC3052-E	F		R9151	1-216-025-91	RES, CHIP	100	5%	1/10W	
Q9101	8-729-620-06	TRANSISTOR 25	SC3052-E	F		R9153	1-216-025-91	RES,CHIP	100	5%	1/10W	
Q9102	8-729-216-22	TRANSISTOR 25	SA1162-G	;		R9159	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	
Q9103	8-729-620-06	TRANSISTOR 25	SC3052-E	F		R9161	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	
Q9105	8-729-620-06	TRANSISTOR 29	SC3052-E	F		R9162	1 216 060 00	DEC CUID	6.8K	E 0.	1/10W	
Q9106	0_720_027_46	TRANSISTOR DI	10111VVX	_m1//	1	R9164	1-216-069-00 1-216-069-00		6.8K		1/10W 1/10W	
Q9100 Q9107		TRANSISTOR DI				R9164	1-216-069-00		10K		1/10W 1/10W	
Q9107 Q9108		TRANSISTOR DI				R9168	1-216-073-00		6.8K		1/10W	
Q9109		TRANSISTOR DI				R9169	1-216-069-00		6.8K		1/10W	
Q9110		TRANSISTOR 25			,	ROIDS	1 210 005 00	NIO, CIIII	0.01	30	1/10#	
						R9172	1-216-069-00		6.8K	5%	1/10W	
Q9500		TRANSISTOR 25				R9173	1-216-295-91		0			
Q9501		TRANSISTOR 25				R9174	1-216-025-91	•	100	<b>5</b> %	1/10W	
Q9502		TRANSISTOR 29				R9175	1-216-025-91	,	100	5%	1/10W	
Q9503 Q9504		TRANSISTOR DT				R9176	1-216-025-91	RES,CHIP	100	5%	1/10W	
Q3304	1 001 000 11	INMISIBION DI	CITTELL	1111	•	R9177	1-216-025-91	RES CHIP	100	5%	1/10W	
	< RE:	SISTOR >				R9178	1-216-025-91		100	5%	1/10W	
	,					R9184	1-216-025-91		100	5%	1/10W	
R9100	1-216-073-00	RES.CHIP	10K	5%	1/10W	R9185	1-216-025-91		100	5%	1/10W	
R9101	1-216-033-00			5%	1/10W	R9186	1-216-025-91		100	5%	1/10W	
R9102	1-216-033-00			5%	1/10W			,			,	
R9103	1-216-025-91		100	5%	1/10W	R9187	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	
R9104	1-216-073-00	RES, CHIP	10K	5%	1/10W	R9188	1-216-025-91	RES, CHIP	100	5%	1/10W	
						R9189	1-216-025-91	RES, CHIP	100	5%	1/10W	
R9105	1-216-073-00	RES,CHIP	10K	5%	1/10W	R9190	1-216-025-91	RES,CHIP	100	5%	1/10W	
R9107	1-216-025-91	RES,CHIP	100	5%	1/10W	R9191	1-216-025-91	RES,CHIP	100	5%	1/10W	
R9108	1-216-025-91			5%	1/10W							
R9109	1-216-073-00	,		<b>5</b> %	1/10W	R9192	1-216-025-91	•	100	5%	1/10W	
R9110	1-216-081-00	RES,CHIP	22K	5%	1/10W	R9193	1-216-097-91	,	100K		1/10W	
						R9194	1-216-097-91	,	100K		1/10W	
R9111	1-216-025-91			5%	1/10W	R9195	1-216-097-91		100K		1/10W	
R9112	1-216-025-91			5%	1/10W	R9196	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R9113	1-216-033-00			5% = °	1/10W	-04.05	4 046 080 00		4.000		4 /4 000	
R9114	1-216-083-00	,	27K		1/10W	R9197	1-216-073-00		10K	5%	1/10W	
R9115	1-216-081-00	RES, CHIP	22K	5%	1/10W	R9500	1-216-295-91		0			
D0116	1 016 072 00	DEC CUID	1 017	E 0.	1 /1 014	R9501	1-216-295-91		0			
R9116	1-216-073-00 1-216-073-00			5% 5%	1/10W	R9502	1-216-295-91 1-216-041-00		0	E 0.	1 /1 017	
R9117		,			1/10W	R9504	1-216-041-00	RES, CHIP	470	5%	1/10W	
R9119 R9120	1-216-073-00 1-216-073-00			5% 5%	1/10W	R9505	1-216-051-00	DEC CUID	1 27	Ec	1/10W	
R9121	1-216-073-00			ეგ 5%	1/10W 1/10W	R9505	1-216-031-00	,	1.2K 10K	5%	1/10W 1/10W	
KJIZI	1-210-017-91	RES, CHIP	4/	Jo	1/104	R9507	1-216-073-00		100K		1/10W 1/10W	
R9122	1-216-049-91	RES CHIP	1K	5%	1/10W	R9507	1-216-097-91	,	47	5% 5%	1/10W 1/10W	
R9123	1-216-049-91			ეა 5%	1/10W	R9509	1-216-017-91		1K	ეა 5%	1/10W 1/10W	
R9127	1-216-049-91			5%	1/10W		1 210 049 31	-wo , onit		<b>J</b> 0	-, -011	
R9138	1-216-049-91	•		5%	1/10W	R9510	1-216-017-91	RES, CHIP	47	5%	1/10W	
R9140	1-216-057-00		2.2K		1/10W	R9510	1-216-049-91		1K	5%	1/10W	
	00, 00				-, - • • •	R9512	1-216-017-91		47	5%	1/10W	
R9141	1-216-049-91	RES.CHIP	1K	5%	1/10W	R9512	1-216-017-91		47	5%	1/10W	
R9142	1-216-041-00		470		1/10W	R9513	1-216-017-91	•	47	5%	1/10W	
R9143	1-216-049-91			5%	1/10W			/		_ 0	-,	
R9144	1-216-057-00		2.2K		1/10W	R9515	1-216-295-91	SHORT	0			
		•										

The components identified by shading and marked ∆ are critical for safety
Replace only with the part number specified.

M	C							for Re	safety		part number
REF. NO.	PART.NO	DESCRIPTI	ION	R	EMARK	REF. NO.	PART.NO	DESCRIPTIO	N	F	REMARK
R9516	1-216-295-91		0			C5381	1-162-116-91		680PF	10%	2KV
R9517	1-216-295-91		0		_	C5382	1-162-114-71	CERAMIC	0.0047MF		2KV
R9518	1-216-049-91		1K 5%	1/10				NIEGEO .			
R9519	1-216-039-00		390 5%	1/10			< CON	NECTOR >			
R9520	1-216-039-00	KES, CHIP	390 5%	1/10	N	CN5400	1_56/_511_11	PLUG, CONNEC	מי2 פר∧ידי		
R9521	1-216-039-00	RES CHIP	390 5%	1/10	N	CN5400 CN5511		TAB (CONTACT			
R9521	1-216-039-00		0	1/10	•	CN5511		TAB (CONTACT			
R9523	1-216-295-91		0			CN5600		PIN, CONNECT		CH) 4P	
R9524	1-216-295-91		0					,	,	,	
R9525	1-216-057-00	RES,CHIP	2.2K 5%	1/10	Ñ		< DIO	DDE >			
R9526	1-216-057-00	RES, CHIP	2.2K 5%	1/10	W	D5300	8-719-921-20	DIODE 1SS119	-25TD		
R9527	1-216-057-00		2.2K 5%	1/10		D5302		DIODE 1SS83T			
R9528	1-216-025-91		100 5%	1/10	W	D5325	8-719-921-20	DIODE 1SS119	-25TD		
R9529	1-216-025-91		100 5%	1/10		D5326		DIODE MTZJ-T			
R9530	1-216-025-91	RES,CHIP	100 5%	1/10	Ň	D5327	8-719-989-09	DIODE 1SS83T	A		
R9531	1-216-295-91	SHORT	0			D5350	8-719-921-20	DIODE 1SS119	-25TD		
R9532	1-216-061-00	RES, CHIP	3.3K 5%	1/10	W	D5351	8-719-991-33	DIODE 1SS133	T-77		
						D5353		DIODE 1SS83T			
	< CRY	(STAL >				D5375		DIODE 1SS133			
	4 =44 44= 61					D5376	8-719-991-33	DIODE 1SS133	T-77		
X9101	1-781-107-21		PDXMT0			DE277	0_710_026_02	DIODE CDOOP	ערייי		
X9500	1-760-551-21	VIBRATUR, C	ERAMIC			D5377 D5378		DIODE GP08DP DIODE MTZJ-T			
*****	******	******	*******	*****	****	D5376		DIODE MIZJ-I			
						D5380		DIODE MTZJ-T			
	* A-1638-123-A	C BOARD, CO				D5381		DIODE RGP02-			
							<ic< td=""><td>&gt;</td><td></td><td></td><td></td></ic<>	>			
	1-671-108-11	,	۸۱ ۳			T05000	0 950 060 60	TO MAY 24440 h-			
	4-382-854-11	SCREW (M3X1	.U), P, SW			IC5300		IC TDA6111Q/N			
	< CAL	PACITOR >				IC5325 IC5350		IC TDA6111Q/N IC TDA6111Q/N			
C5301	1-102-129-91	CERAMIC	0.01MF	10%	50V		< 800	KET >			
C5301	1-102-129-91		470MF	20%	16V		` 500	, , , , , , , , , , , , , , , , , , ,			
C5304	1-107-657-91		1MF	20%	350V	J5375 🔥	1-540-071-22	SOCKET, CRT			
C5305	1-137-052-91		0.047MF	10%	400V			V			
C5306	1-102-157-91		560PF	10%	500V		< COI	IL >			
C5325	1-102-959-91	CERAMIC	22PF	5%	50V	L5300	1-408-599-41	INDUCTOR	4.7UH		
C5326	1-102-157-91		560PF	10%	500V	L5325	1-408-599-41		4.7UH		
C5327	1-102-129-91		0.01MF	10%	50V	L5350	1-408-599-41		4.7UH		
C5328	1-128-525-91		470MF	20%	16V	L5375	1-410-671-41	INDUCTOR	47UH		
C5329	1-107-967-91	ELECT	1MF	20%	400V	L5376	1-532-637-91	LINK, IC 1A/1	50V (ICP-F2	!5)	
C5350	1-107-907-91	ELECT	22MF	20%	50V	L5377	1-414-183-40	INDUCTOR	10UH		
C5352	1-102-157-91		560PF	10%	500V						
C5353	1-102-129-91	CERAMIC	0.01MF	10%	50V		< TRA	NSISTOR >			
C5354	1-128-525-91		470MF	20%	16V						
C5355	1-107-657-91	ELECT	1MF	20%	350V	Q5300 Q5325		TRANSISTOR 2 TRANSISTOR 2			
C5356	1-137-052-91	FILM	0.047MF	10%	400V	Q5323 Q5350	8-729-029-57				
C5375	1-107-902-91		1MF	20%	50V	Q5351	8-729-204-98				
C5377	1-162-115-91		330PF	10%	2KV	Q5375	8-729-900-95				
C5378	1-162-116-91		680PF	10%	2KV	-					
C5379	1-162-114-71		0.0047MF		2KV	Q5376	8-729-026-40	TRANSISTOR 2	SA933AS-RT		
C5380	1-107-652-91	ELECT	10MF	20%	250V						





REF. NO.	PART.NO	DESCRIPTION	V		RE	MARK	REF. NO.	PART.NO	DESCRIPTIO	N	Ri	EMARK
	< RES	SISTOR >						*A-1640-329-A	D1 BOARD, COI	•	V-28FX60)	
5300	1-247-831-91		1K	5%	1/4W			*A-1640-322-A	D1 BOARD, COM	MPLETE (K	V-32FX60)	
5301	1-247-823-91		470	5%	1/4W				******	*****		
5302	1-247-813-91		180	5%	1/4W							
5303	1-247-831-91		1K	5%	1/4W			4-382-854-11	SCREW (M3X10	), P, SW	(+)	
5304	1-202-565-81	SOLID	470	20%	1/2W			< CAP	ACITOR >			
R5305	1-215-926-51		33K	5%	3W	F		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
R5306	1-247-845-91		3.9K	5%	1/4W		C6100	1-136-165-00	FILM	0.1MF	5%	50V
R5307	1-247-863-91	CARBON	22K	5%	1/4W		C6101	1-136-165-00	FILM	0.1MF	5%	50V
R5325	1-247-831-91	CARBON	1K	5%	1/4W		C6102	1-136-165-00	FILM	0.1MF	5%	50V
3326	1-247-823-91	CARBON	680	<b>5</b> %	1/4W		C6103	1-163-205-00	CERAMIC CHIP	0.001MF	5%	50V
							C6104	1-163-205-00	CERAMIC CHIP	0.001MF	5%	50V
R5327	1-247-813-91	CARBON	180	5%	1/4W							
R5328	1-249-417-11	CARBON	1K	5%	1/4W		C6105	1-126-967-11	ELECT	47MF	20%	50V
R5329	1-202-565-81	SOLID	470	20%	1/2W		C6106	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
R5330	1-215-926-51	METAL OXIDE	33K	5%	3W	F	C6108	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
R5331	1-247-845-91		3.9K	5%	1/4W		C6109	1-126-967-11		47MF	20%	50V
					·		C6110	1-126-967-11		47MF	20%	50V
3332	1-247-863-91		22K	5%	1/4W							
35350	1-249-417-11		1K	5%	1/4W		C6111	1-126-967-11		47MF	20%	50V
85351	1-247-823-91		470	5%	1/4W		C6112	1-163-037-11	CERAMIC CHIP		10%	50V
R5352	1-247-829-91		820	5%	1/4W		C6113	1-163-021-91	CERAMIC CHIP		10%	50V
R5353	1-247-839-91	CARBON	2.2K	<b>5</b> %	1/4W		C6114	1-126-964-11		10MF	20%	50V
EDE 4	1 047 000 01	OLDDON.	1 00	FO	1 / 477		C6115	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
85354	1-247-833-91		1.2K		1/4W			4 440 0== 4:	ABB \$110 A	A AA4		P.A
R5355	1-247-813-91		180	<b>5</b> %	1/4W		C6116	1-163-275-11			5% = °	50V
5356	1-249-417-11		1K	5%	1/4W		C6117		CERAMIC CHIP		5%	50V
5357	1-202-565-81		470	20%	1/2W	_	C6119	1-163-021-91	CERAMIC CHIP		10%	50V
15358	1-215-926-51	METAL OXIDE	33K	5%	3W	F	C6121	1-126-964-11		10MF	20%	50V
							C6122	1-126-967-11	ELECT	47MF	20%	50V
R5359	1-247-863-91		22K	5%	1/4W							
R5360	1-247-845-91		3.9K		1/4W		C6125	1-163-017-00	CERAMIC CHIP			50V
R5361	1-247-859-91		4.7K		1/4W		C6126	1-163-809-11			10%	25V
R5375	1-247-867-91	CARBON	33K	5%	1/4W		C6127	1-163-021-91			10%	50V
R5376	1-247-855-91	CARBON	10K	5%	1/4W		C6128	1-163-017-00	CERAMIC CHIP		10%	50V
							C6129	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
5377	1-247-857-91		12K	5%	1/4W						B/28FX60D	
15378	1-247-855-91	CARBON	10K	5%	1/4W				28FX6	OK/28FX60	R/28FX60U	)
15379	1-247-873-91	CARBON	56K	5%	1/4W			1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
R5380	1-247-863-91	CARBON	22K	5%	1/4W				(KV-32FX6	0A/32FX60	B/32FX60D	/32FX60E/
5381	1-247-837-91	CARBON	1.8K	5%	1/4W						R/32FX60U	
5382	1-202-549-81	SOLID	100	20%	1/2W		C6130	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
15383	1-216-399-51		6.8	5%	3W	F					B/28FX60D	
5384	1-216-399-51		6.8	5%	3W	F			•		R/28FX60U	
R5385	1-202-549-81		100	20%	1/2W	-	C6131	1-126-964-11		10MF	20%	, 50V
R5386	1-202-884-91		820K		1/2W		C6132		CERAMIC CHIP		5%	50V
5307	1_202_004_01	QOT.TD	820K	20%	1 /2m		C6100	1_162_220_11	CEDAMIC CUID	12pr	E0	50V
R5387	1-202-884-91				1/2W	₽	C6199		CERAMIC CHIP		5% 20%	
5388	1-215-911-51		100	5% <b>5</b> %		F	C6207	1-126-967-11		47MF	20%	50V
5389	1-249-417-91	CARBUN	1K	5%	1/4W	r	C6208	1-126-967-11		47MF	20%	50V
	< VAF	RIABLE RESISTO	R >				C6209 C6210		CERAMIC CHIP		5% 10%	50V 50V
											1	
V5375	1-241-656-21						C6250	1-104-664-11		47MF	20%	16V
W5376	1-230-641-21	RES, ADJ, MET	AL GLA	ZE 2.2	MΣ		C6253		CERAMIC CHIP		10%	50V
							C6254	1-136-177-00	FILM	1MF	5%	50V
							C6255	1-136-177-00	FILM	1MF	5%	50V



REF. NO.	PART.NO	DESCRIPTIO	N	R	EMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C6257		CERAMIC CHIP		10%	50V		< CON	NECTOR >	
C6258		CERAMIC CHIP		5%	50V				
C6259	1-110-501-11	CERAMIC CHIP		10%	16V	CN6502	1-564-509-11	PLUG, CONNECTOR 6P	
C6260	1-104-664-11	ELECT	47MF	20%	16V			(KV-28FX60A/28FX	60B/28FX60D/28FX60E/
C6261	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V			28FX60K/28FX	60R/28FX60U)
0000	1 126 165 00	TT 1/	A 1145	FO	F 0 ***		*1-568-881-51	PIN, CONNECTOR 6P	(COD /2000/COD /2000/COD
C6262	1-136-165-00		0.1MF	5% = 0	50V			,	60B/32FX60D/32FX60E/
C6263	1-163-109-00			5%	50V			32FX60K/32FX	6UK/32FX6UU)
C6264	1-126-964-11		10MF	20%	50V		4 600 000 11	4019194P4P F1	DA1DD FA-
C6306	1-126-964-11		10MF	20%	50V	CN6601		CONNECTOR, BOARD TO	BOARD 50P
26307	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	CN6622 CN6633		PIN, CONNECTOR 3P PIN, CONNECTOR 3P	
26350	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	CNO033	*1-300-070-31	PIN, CONNECTOR 3P	
C6351	1-126-967-11		47MF	20%	50V		< DIO	DE >	
26353		CERAMIC CHIP		10%	50V		, 510	·	
26354	1-113-339-11		0.1MF 0.033MF	5%	50V	D6100	8-719-914-43	DIODE DAN202K	
C6355		CERAMIC CHIP		5%	50V	D6100		DIODE MTZJ-4.7C	
,,,,,,,	1 100 201-11	CENTRIC CHIP	TAALL	J 0	501	D6101		DIODE DAN202K	
C6356	1-163-200-11	CERAMIC CHIP	0 047MF	10%	25V	D6102		DIODE DAN202K	
C6357	1-103-009-11		0.047MF 0.1MF	10% 5%	50V	D6104		DIODE DAN202K	
2635 <i>1</i> 26358		CERAMIC CHIP		วร 10%	50V 50V	10102	0-117-314-43	PIONE DWINSONY	
26359		CERAMIC CHIP		10% 10%	50V 50V	D6106	0_710_011_12	DIODE DAN202K	
26369	1-104-329-11				50V 50V	D6106		DIODE DAN202K DIODE DAN202K-T-146	
0000	1-10/-/14-11	PURCI	10MF	20%	201	D6107			
16261	1_164 004 11	CEDANTO OUTS	0.1140	100	2517	D6108 D6127		DIODE MTZJ-4.7C	
26361		CERAMIC CHIP		10%	25V			DIODE DAN202K	
:6362		CERAMIC CHIP		10%	50V	D6128	8-/19-914-43	DIODE DAN202K	
26363	1-104-665-11		100MF	20%	25V	20100	0 710 014 10	DIADE DIVAGE	
6364	1-137-493-11		0.0047MF	5%	630V	D6129		DIODE DAN202K	_
26365	1-163-809-11	CERAMIC CHIP	U.U47MF	10%	25V	D6198		DIODE MTZJ-T-77-2.2	В
						D6253		DIODE 1SS119-25	
26367		CERAMIC CHIP		10%	50V	D6254		LEAD, JUMPER (5.0MM	)
26368	1-163-021-91			10%	50V	D6255	8-719-914-43	DIODE DAN202K	
26370	1-137-493-11		0.0047MF	5%	630V				
26371	1-137-493-11		0.0047MF	5%	630V	D6350	8-719-914-43	DIODE DAN202K	
26373	1-136-153-00	FILM	0.01MF	5%	50V			32FX60K/32FX	:60B/32FX60D/32FX60E/ 60R/32FX60U)
26374	1-137-499-11	FILM	0.015MF	5%	630V	D6351	8-719-914-43	DIODE DAN202K	
26375	1-102-110-00	CERAMIC	220PF	10%	50V	D6352	8-719-914-43	DIODE DAN202K	
6376	1-104-664-11		47MF	20%	16V				
6377	1-128-551-11	ELECT	22MF	20%	25V	D6353	8-719-987-87	DIODE ERA85-009	
6378	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V	D6354	8-719-914-43	DIODE DAN202K	
						D6355	8-719-914-43	DIODE DAN202K	
:6380	1-136-165-00	FILM	0.1MF	5%	50V	D6358	8-719-914-43	DIODE DAN202K	
6381	1-126-960-11	ELECT	1MF	20%	50V	D6359	8-719-302-43	DIODE EL1Z	
26385	1-104-664-11		47MF	20%	25V				
26386	1-104-664-11	ELECT	47MF	20%	25V	D6401	8-719-914-43	DIODE DAN202K	
6388	1-126-964-11		10MF	20%	50V	D6402		DIODE MTZJ-3.6A	
-		=	-		•	D6403		DIODE MTZJ-7.5B	
6389	1-126-964-11	ELECT	10MF	20%	50V	D6404		DIODE DAN202K	
6392	1-104-664-11	ELECT	47MF	20%	25V	D6405	8-719-921-63	DIODE MTZJ-7.5B	
6401	1-126-964-11		10MF	20%	50V				
6402	1-107-714-11		10MF	20%	50V		< IC	>	
6407	1-136-161-00		0.047MF	5%	50V		. =•		
						IC6100	8-759-103-93		
6408 6409	1-136-161-00 1-126-964-11		0.047MF 10MF	5% 20%	50V 50V			(KV-28FX60A/28FX 28FX60K/28FX	:60B/28FX60D/28FX60E/ 60R/28FX60U)
							8-759-450-95		,
								(KV-32FX60A/32FX 32FX60K/32FX	60B/32FX60D/32FX60E/



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
IC6101	8-759-103-93	IC LM393N		Q6112	8-729-620-06	TRANSISTOR 2SC3052	-EF
		(KV-28FX60A/28FX60B/28FX60I	)/28FX60E/	Q6113	8-729-620-06	TRANSISTOR 2SC3052	-EF
		28FX60K/28FX60R/28FX60U	J)	Q6118	8-729-620-06	TRANSISTOR 2SC3052	!-EF
	8-759-450-95 1	C LM393N		Q6119	8-729-216-22	TRANSISTOR 2SA1162	!-G
		(KV-32FX60A/32FX60B/32FX60I 32FX60K/32FX60R/32FX60I		Q6120	8-729-216-22	TRANSISTOR 2SA1162	P-G
		SZEROUR/ SZEROUR/ SZEROUR	·)	Q6122	8-729-216-22	TRANSISTOR 2SA1162	!-G
IC6102	8-759-701-50	IC NJM3404AD		Q6123	8-729-216-22	TRANSISTOR 2SA1162	1-G
IC6103	8-759-450-95 1	IC LM393N		Q6125	8-729-620-06	TRANSISTOR 2SC3052	-EF
IC6250	8-759-478-66	IC CXA8070P		Q6126	8-729-216-22	TRANSISTOR 2SA1162	! <b>-</b> G
IC6251	8-759-903-16	IC LM318P		Q6127	8-729-216-22	TRANSISTOR 2SA1162	!-G
IC6302	8-752-072-94	IC CXA1875AM-T4					
				Q6128		TRANSISTOR 2SC3052	
IC6350	8-759-135-80			Q6129	8-729-216-22		
		(KV-28FX60A/28FX60B/28FX60I		Q6130		TRANSISTOR 2SA1162	
		28FX60K/28FX60R/28FX60U	J)	Q6131		TRANSISTOR 2SC3052	
	8-759-008-70 1		100	Q6201	8-729-620-06	TRANSISTOR 2SC3052	!-EF
		(KV-32FX60A/32FX60B/32FX60I		0.0000	0 800 600 00	mn	
		32FX60K/32FX60R/32FX60U	J)	Q6202		TRANSISTOR 2SC3052	
				Q6250		TRANSISTOR 2SC3052	
IC6351	8-759-103-93		100	Q6251		TRANSISTOR 2SC3052	
		(KV-28FX60A/28FX60B/28FX60I		Q6252		TRANSISTOR 2SA1162	· -
	8-759-450-95 1	28FX60K/28FX60R/28FX60U	J)	Q6253	8-729-017-06	TRANSISTOR 2SC4793	<b>,</b>
	0-139-430-93 1	(KV-32FX60A/32FX60B/32FX60I	\/32EV60E/	Q6254	8-729-017-05	TRANSISTOR 2SA1837	1
		32FX60K/32FX60R/32FX60U		Q6350		TRANSISTOR 2SC3052	
		521A00K/ 521A00K/ 521A00K	"	Q6351	8-729-119-78		
IC6352	8-759-103-93	LC TM303D		Q6351 Q6352		TRANSISTOR 2SB734-	
100332	0-/39-103-93	(KV-28FX60A/28FX60B/28FX60I	1/28FX60E/	Q6352 Q6353	8-729-140-97		
		28FX60K/28FX60R/28FX60U		20000	0 723 210 37	114410101011 202701	<b>.</b>
	8-759-450-95 1		• 1	Q6354	8-729-620-06	TRANSISTOR 2SC3052	!-EF
		(KV-32FX60A/32FX60B/32FX60I	)/32FX60E/	Q6356	8-729-620-06		
		32FX60K/32FX60R/32FX60U		Q6358	8-729-038-83		
			•	Q6401	1-801-806-11	TRANSISTOR DTC144E	KA-T146
IC6353	8-759-231-53	IC TA7805S		Q6402	1-801-806-11	TRANSISTOR DTC144E	KA-T146
IC6354	8-759-325-48	IC CA0005AD					
IC6355	8-759-008-70	IC LM358N		Q6403	8-729-620-06	TRANSISTOR 2SC3052	-EF
IC6356	8-759-822-38	IC LA6510		Q6404	8-729-216-22	TRANSISTOR 2SA1162	!-G
				Q6405	8-729-216-22	TRANSISTOR 2SA1162	!-G
	< FIL	TER >		Q6455	8-729-620-06	TRANSISTOR 2SC3052	!-EF
				Q6465	8-729-620-06	TRANSISTOR 2SC3052	!-EF
LF6350	1-406-989-21						
LF6351	1-406-989-21	INDUCTOR OUH			< RES	ISTOR >	
	< IC 1	LINK >		R6100	1-216-033-00	RES,CHIP 220	5% 1/10W
				R6101	1-216-033-00	,	5% 1/10W
PS6376 A	△ 1-532-637-00	LINK, IC 1A (ICP-N25)		R6102	1-216-057-00		7 5% 1/10W
				R6103	1-216-057-00		C 5% 1/10W
	< TRAI	NSISTOR >		R6104	1-216-057-00	· ·	7 5% 1/10W
						,	-,
Q6100		TRANSISTOR 2SC3052-EF		R6105	1-216-049-91		5% 1/10W
Q6101	8-729-620-06	TRANSISTOR 2SC3052-EF		R6106	1-216-057-00	,	₹ 5% 1/10W
Q6102		TRANSISTOR 2SC3052-EF		R6107	1-216-657-11		C 0.50% 1/10W
Q6103		TRANSISTOR 2SC3052-EF		R6108	1-216-657-11		C 0.50% 1/10W
Q6104	8-729-620-06	TRANSISTOR 2SC3052-EF		R6109	1-216-683-11		0.5% 1/10W
							FX60B/28FX60D/28FX60E/
Q6105		TRANSISTOR 2SC3052-EF					FX60R/28FX60U)
Q6106		TRANSISTOR 2SC3052-EF			1-216-683-11		0.50% 1/10W
Q6107		TRANSISTOR 2SC3052-EF					X60B/32FX60D/32FX60E/
Q6108		TRANSISTOR 2SA1162-G				32FX60K/321	FX60R/32FX60U)
Q6110	8-729-216-22	TRANSISTOR 2SA1162-G					

## D1

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REF. NO.	PART.NO	DESCRIPTION			REMARK	REF. NO.	PART.NO	DESCRIPTION		REMARK
R6110	1-216-691-11	METAL CHIP	47K	0.50%	1/10W	R6146	1-216-085-00	RES,CHIP 33K	5%	1/10W
R6111	1-216-057-00	RES, CHIP	2.2K		1/10W				FX60B/28	BFX60D/28FX60E/
R6112	1-216-057-00		2.2K		1/10W			28FX60K/28I		
R6113	1-216-073-00		10K		1/10W		1-216-065-91		K 5%	1/10W
R6114	1-216-073-00				1/10W	1		(KV-32FX60A/32	FX60B/32	PFX60D/32FX60E/
						1		32FX60K/32I	X60R/32	FX60U)
R6115	1-216-089-91	,			1/10W	2011	4 046 055 00			4 /4 0
R6116	1-216-089-91				1/10W	R6147	1-216-057-00	,	K 5%	1/10W
R6117	1-216-073-00				1/10W	R6148	1-216-057-00		K 5%	1/10W
R6118	1-216-073-00				1/10W	R6149	1-216-025-91	,		1/10W
R6119	1-216-073-00	KES, CHIP	10K	5%	1/10W	R6154	1-216-057-00		K 5%	1/10W BFX60D/28FX60E/
R6120	1-216-057-00	RES.CHIP	2.2K	5%	1/10W			28FX60K/28F		
R6121	1-216-057-00		2.2K		1/10W		1-216-041-00			1/10W
R6122	1-216-057-00		2.2K		1/10W					2FX60D/32FX60E/
R6123	1-216-089-91				1/10W			32FX60K/32F		
R6124	1-216-089-91				1/10W	1			,	•
						R6155	1-216-067-00		K 5%	1/10W
R6125	1-216-057-00		2.2K		1/10W	1		•		BFX60D/28FX60E/
R6126	1-216-037-00				1/10W			28FX60K/28F		
R6127	1-216-659-11			0.50%			1-216-065-91		K 5%	1/10W
R6128	1-216-691-11			0.50%						2FX60D/32FX60E/
R6129	1-216-691-11	METAL CHIP	47K	0.50%	1/10W	1		32FX60K/32I	%K60R/32	FX60U)
R6130	1-218-768-11	METAL CHIP	470K	0.50%	1/10W	R6158	1-216-675-11	METAL CHIP 10K	5%	1/10W
					X60D/28FX60E/					3FX60D/28FX60E/
		28FX601						28FX60K/28F		
R6131	1-216-037-00				1/10W		1-216-671-11		K 0.50%	
R6132	1-216-037-00	,			1/10W					PFX60D/32FX60E/
		•				1		32FX60K/32I		
R6133	1-216-037-00	,			1/10W	1				
R6134	1-216-057-00		2.2K		1/10W	R6159	1-216-295-91			
R6135	1-216-057-00		2.2K		1/10W	R6160	1-216-295-91			
R6136	1-216-691-11			0.50%						3FX60D/28FX60E/
R6137	1-216-691-11	METAL CHIP	47K	0.50%	1/10W	1	1 010 000 11	28FX60K/28I		
D6120	1-216-691-11	אויים זגשים	17 <b>v</b>	U EV0	1 /1 ∩ស	1	1-216-655-11		K 0.50%	
R6138 R6139	1-216-691-11			0.50%				(KV-32FX60A/32 32FX60K/32I		PX60D/32FX60E/
R6139	1-216-691-11			0.50% 5%				321A0UK/321	: AOUK/ 321	EVOOR
R6141	1-216-057-00		6.8K		1/10W	R6161	1-216-671-11	МЕТАТ, СИТР <b>Б</b> О	K 0.50%	: 1/10W
7/0141	I 210 003-00				X60D/28FX60E/	1,0101	1 210-0/1-11			BFX60D/28FX60E/
		28FX601				1		28FX60K/28F		
	1-216-065-91		4.7K		1/10W	1	1-216-669-11		K 0.50%	•
		(KV-32FX60A	/32FX6	50B/32F	X60D/32FX60E/			(KV-32FX60A/32	FX60B/32	PFX60D/32FX60E/
		32FX601				1		32FX60K/32F	7X60R/32	FX60U)
DC1:0	4 044 055 00		A A	<b>F</b> 0	4 /4 0	20100	4 044 014 41	BB0 08-5		4 /4 0
R6142	1-216-057-00	,	2.2K		1/10W	R6162	1-216-049-91		5% 0 500	1/10W
					X60D/28FX60E/	R6165	1-216-699-11		K 0.50%	
	1 016 050 00	28FX601		•	•	R6168	1-216-065-91		K 5%	1/10W
	1-216-053-00	,	1.5K		1/10W	R6169	1-216-699-11		K 0.50%	
		(KV-32FX60A 32FX601			'X60D/32FX60E/	R6170	1-216-037-00	RES, CHIP 330	5%	1/10W
		32FA0U	n/ 32 ľ Å	00K/ 32	E A U U U J	R6171	1-216-057-00	RES.CHTP 2 21	K 5%	1/10W
R6143	1-216-057-00	RES.CHIP	2.2K	5%	1/10W	R6174	1-216-037-00		. 5%	1/10W
R6145	1-216-075-00		12K		1/10W		0/5 00			3FX60D/28FX60E/
					X60D/28FX60E/	1		28FX60K/28F		
		28FX601				1	1-216-081-00		5%	1/10W
	1-216-045-00		680		1/10W			,		PFX60D/32FX60E/
			/32FX6		X60D/32FX60E/	1		32FX60K/32F		
		32FX601	K/32FX	60R/32	FX60U)	1				
						R6175	1-216-075-00	RES, CHIP 12K	5%	1/10W



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	l		REM	MARK
R6176	1-216-295-91	SHORT 0		R6210	1-216-057-00	RES,CHIP	2.2K		1/10W	
R6177	1-216-065-91		% 1/10₩	R6211	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R6178	1-216-073-00	RES, CHIP 10K 5	% 1/10₩	R6212	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R6179	1-216-067-00	,	·	R6215	1-216-089-91		47K		1/10W	
		(KV-28FX60A/28FX60F 28FX60K/28FX60F				(KV-32FX60		K60B/32 K60R/32		2FX60E/
	1-216-059-00					32170	JK/ 32FA	100K/ 32.	EVOOO	
		(KV-32FX60A/32FX60E		R6216	1-216-089-91	RES, CHIP	47K	5%	1/10W	
		32FX60K/32FX60F	R/32FX60U)	R6217	1-216-073-00	RES,CHIP	10K	5%	1/10W	
				R6254	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6180	1-216-057-00	,		R6255	1-216-061-00	,	3.3K		1/10W	
R6182	1-216-089-91		•	R6256	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R6183	1-216-057-00		% 1/10W							
R6186	1-216-295-91			R6257	1-216-061-00	,	3.3K		1/10W	
		(KV-28FX60A/28FX60E		R6258	1-216-057-00		2.2K		1/10W	
		28FX60K/28FX60I	•	R6259	1-216-097-91		100K		1/10W	
	1-216-049-91	,		R6260	1-216-049-91	•	1K	5%	1/10W	
		(KV-32FX60A/32FX60F 32FX60K/32FX60F		R6261	1-216-097-91	RES,CHIP	100K	5%	1/10W	
			4	R6262	1-260-321-71		270	5%	1/2W	
R6187	1-216-065-91	'		R6263	1-216-025-91		100	5%	1/10W	
R6188	1-216-065-91	RES, CHIP 4.7K 5	% 1/10₩	R6264	1-216-025-91		100	5%	1/10W	
		(KV-28FX60A/28FX60E		R6265	1-216-101-00		150K		1/10W	
DC100	1 016 065 01	28FX60K/28FX60F	•	R6267	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R6189	1-216-065-91	,		DC3C0	1 016 667 11	MEMAI CUID	A 717	Λ ΕΛ0.	1 /1 017	
		(KV-28FX60A/28FX60I		R6269 R6270	1-216-667-11 1-216-667-11			0.50%		
	1-216-049-91	28FX60K/28FX60F RES.CHIP 1K 59		R6270 R6271	1-216-683-11			0.50% 0.50%		
	1-216-049-91	(KV-32FX60A/32FX60I		R6271	1-216-683-11		22K 22K		1/10W	
		32FX60K/32FX60F		K02/2	1-210-003-11	(KV-28FX60				)OEV 6 0 E /
		JZFROOK/ JZFROOF	(/ 521 8000)			•		K60R/28		OFAUVE/
R6190	1-216-057-00	,								
R6191		METAL OXIDE 22K 5		R6273	1-216-081-00		22K	5%	1/10W	
R6192	1-216-081-00			R6276	1-216-689-11		39K	0.50%		
		(KV-28FX60A/28FX60F		R6277	1-216-686-11			0.50%		
		28FX60K/28FX60F	•	R6278	1-216-057-00		2.2K		1/10W	
	1-216-065-91	RES,CHIP 4.7K 55 (KV-32FX60A/32FX60B	· · · · · · · · · · · · · · · · · · ·	R6279	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
		32FX60K/32FX60E							4 / 4	ਜ
		JZEKUUKI JZEKUUK	K/ 32FX6UU)	R6280	1-249-377-11	CARBON	0.47	5%	1/4W	
R6194		SZEROOK, SZEROO	K/32FX600)		1-249-377-11 1-249-377-11		0.47		1/4W 1/4W	
	1-216-065-91	·	. ,	R6280 R6281 R6282	1-249-377-11 1-249-377-11 1-215-886-11	CARBON			•	F
	1-216-065-91 1-216-093-00	RES,CHIP 4.7K 5	% 1/10W	R6281	1-249-377-11	CARBON METAL OXIDE	0.47	5%	1/4W	F F
		RES,CHIP 4.7K 5 RES,CHIP 68K 5 (KV-28FX60A/28FX60I	% 1/10W % 1/10W B/28FX60D/28FX60E/	R6281 R6282	1-249-377-11 1-215-886-11	CARBON METAL OXIDE METAL OXIDE	0.47 100	5% 5% 5%	1/4W 2W	F F
	1-216-093-00	RES,CHIP 4.7K 55 RES,CHIP 68K 55 (KV-28FX60A/28FX60I 28FX60K/28FX60I	% 1/10W % 1/10W B/28FX6OD/28FX6OE/ R/28FX6OU)	R6281 R6282 R6283 R6284	1-249-377-11 1-215-886-11 1-216-393-00 1-216-113-00	CARBON METAL OXIDE METAL OXIDE RES,CHIP	0.47 100 2.2 470K	5% 5% 5% 5%	1/4W 2W 3W 1/10W	F F
		RES,CHIP 4.7K 55 RES,CHIP 68K 55 (KV-28FX60A/28FX60I 28FX60K/28FX60I RES,CHIP 4.7K 55	% 1/10W % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W	R6281 R6282 R6283 R6284	1-249-377-11 1-215-886-11 1-216-393-00 1-216-113-00 1-216-057-00	CARBON METAL OXIDE METAL OXIDE RES,CHIP RES,CHIP	0.47 100 2.2 470K	5% 5% 5% 5%	1/4W 2W 3W 1/10W	F F
	1-216-093-00	RES,CHIP 4.7K 55 RES,CHIP 68K 55 (KV-28FX60A/28FX60I 28FX60K/28FX60I RES,CHIP 4.7K 55 (KV-32FX60A/32FX60I	% 1/10W % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/	R6281 R6282 R6283 R6284 R6285 R6286	1-249-377-11 1-215-886-11 1-216-393-00 1-216-113-00 1-216-057-00 1-216-073-00	CARBON METAL OXIDE METAL OXIDE RES,CHIP RES,CHIP RES,CHIP	0.47 100 2.2 470K 2.2K 10K	5% 5% 5% 5% 5%	1/4W 2W 3W 1/10W 1/10W	F F
	1-216-093-00	RES,CHIP 4.7K 55 RES,CHIP 68K 55 (KV-28FX60A/28FX60I 28FX60K/28FX60I RES,CHIP 4.7K 55	% 1/10W % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/	R6281 R6282 R6283 R6284 R6285 R6286 R6287	1-249-377-11 1-215-886-11 1-216-393-00 1-216-113-00 1-216-057-00 1-216-073-00 1-216-073-00	CARBON METAL OXIDE METAL OXIDE RES,CHIP RES,CHIP RES,CHIP RES,CHIP	0.47 100 2.2 470K 2.2K 10K 10K	5% 5% 5% 5%	1/4W 2W 3W 1/10W	F F
R6195	1-216-093-00 1-216-065-91	RES,CHIP 4.7K 55 (KV-28FX60A/28FX60H 28FX60K/28FX60H RES,CHIP 4.7K 55 (KV-32FX60A/32FX60H 32FX60K/32FX60H	% 1/10W % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U)	R6281 R6282 R6283 R6284 R6285 R6286 R6287 R6313	1-249-377-11 1-215-886-11 1-216-393-00 1-216-113-00 1-216-057-00 1-216-073-00 1-216-295-91	CARBON METAL OXIDE METAL OXIDE RES,CHIP RES,CHIP RES,CHIP RES,CHIP SHORT	0.47 100 2.2 470K 2.2K 10K 10K 0	5% 5% 5% 5% 5% 5%	1/4W 2W 3W 1/10W 1/10W 1/10W 1/10W	F F
R6195 R6196	1-216-093-00	RES,CHIP 4.7K 55  RES,CHIP 68K 55  (KV-28FX60A/28FX60I 28FX60K/28FX60I RES,CHIP 4.7K 55  (KV-32FX60A/32FX60I 32FX60K/32FX60I CARBON 0.47 55	% 1/10W % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U) % 1/4W F	R6281 R6282 R6283 R6284 R6285 R6286 R6287	1-249-377-11 1-215-886-11 1-216-393-00 1-216-113-00 1-216-057-00 1-216-073-00 1-216-073-00	CARBON METAL OXIDE METAL OXIDE RES,CHIP RES,CHIP RES,CHIP RES,CHIP SHORT	0.47 100 2.2 470K 2.2K 10K 10K	5% 5% 5% 5% 5%	1/4W 2W 3W 1/10W 1/10W	F F
R6195 R6196	1-216-093-00 1-216-065-91 1-249-377-11	RES,CHIP 4.7K 55  RES,CHIP 68K 55  (KV-28FX60A/28FX60I 28FX60K/28FX60I RES,CHIP 4.7K 55  (KV-32FX60A/32FX60I 32FX60K/32FX60I CARBON 0.47 55  RES,CHIP 12K 55	% 1/10W % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U) % 1/4W F % 1/10W	R6281 R6282 R6283 R6284 R6285 R6286 R6287 R6313 R6322	1-249-377-11 1-215-886-11 1-216-393-00 1-216-113-00 1-216-057-00 1-216-073-00 1-216-295-91	CARBON METAL OXIDE METAL OXIDE RES,CHIP RES,CHIP RES,CHIP RES,CHIP RES,CHIP SHORT RES,CHIP	0.47 100 2.2 470K 2.2K 10K 10K 0	5% 5% 5% 5% 5% 5%	1/4W 2W 3W 1/10W 1/10W 1/10W 1/10W	F F
R6195 R6196	1-216-093-00 1-216-065-91 1-249-377-11	RES,CHIP 4.7K 5  RES,CHIP 68K 5  (KV-28FX60A/28FX60I 28FX60K/28FX60I RES,CHIP 4.7K 5  (KV-32FX60A/32FX60I 32FX60K/32FX60I CARBON 0.47 5  RES,CHIP 12K 5  (KV-28FX60A/28FX60I	% 1/10W % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U) % 1/4W F % 1/10W B/28FX60D/28FX60E/	R6281 R6282 R6283 R6284 R6285 R6286 R6287 R6313	1-249-377-11 1-215-886-11 1-216-393-00 1-216-113-00 1-216-073-00 1-216-073-00 1-216-295-91 1-216-049-91	CARBON METAL OXIDE METAL OXIDE RES,CHIP RES,CHIP RES,CHIP RES,CHIP SHORT RES,CHIP	0.47 100 2.2 470K 2.2K 10K 10K 0	5% 5% 5% 5% 5% 5%	1/4W 2W 3W 1/10W 1/10W 1/10W 1/10W 1/10W	F F
R6195 R6196	1-216-093-00 1-216-065-91 1-249-377-11 1-216-075-00	RES,CHIP 4.7K 5.5  RES,CHIP 68K 5.5  (KV-28FX60A/28FX60I 28FX60K/28FX60I 32FX60A/32FX60I 32FX60K/32FX60I CARBON 0.47 5.5  (KV-28FX60A/28FX60I 28FX60K/28FX60I	% 1/10W % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U) % 1/4W F % 1/10W B/28FX60D/28FX60E/ R/28FX60U)	R6281 R6282 R6283 R6284 R6285 R6286 R6287 R6313 R6322	1-249-377-11 1-215-886-11 1-216-393-00 1-216-013-00 1-216-073-00 1-216-073-00 1-216-295-91 1-216-049-91 1-216-049-91 1-216-025-91	CARBON METAL OXIDE METAL OXIDE RES,CHIP RES,CHIP RES,CHIP RES,CHIP SHORT RES,CHIP RES,CHIP	0.47 100 2.2 470K 2.2K 10K 10K 0 1K	5% 5% 5% 5% 5% 5% 5%	1/4W 2W 3W 1/10W 1/10W 1/10W 1/10W 1/10W	F F
R6195 R6196	1-216-093-00 1-216-065-91 1-249-377-11	RES,CHIP 4.7K 5  RES,CHIP 68K 5  (KV-28FX60A/28FX60I 28FX60K/28FX60I 32FX60A/32FX60I 32FX60K/32FX60I CARBON 0.47 5  (KV-28FX60A/28FX60I 28FX60K/28FX60I RES,CHIP 22K 5	% 1/10W % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U) % 1/4W F % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W	R6281 R6282 R6283 R6284 R6285 R6286 R6287 R6313 R6322 R6323 R6324 R6325	1-249-377-11 1-215-886-11 1-216-393-00 1-216-113-00 1-216-073-00 1-216-073-00 1-216-295-91 1-216-049-91 1-216-049-91 1-216-025-91 1-216-025-91	CARBON METAL OXIDE METAL OXIDE RES,CHIP RES,CHIP RES,CHIP RES,CHIP SHORT RES,CHIP RES,CHIP RES,CHIP	0.47 100 2.2 470K 2.2K 10K 10K 0 1K	5% 5% 5% 5% 5% 5% 5%	1/4W 2W 3W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	F F
R6195 R6196	1-216-093-00 1-216-065-91 1-249-377-11 1-216-075-00	RES,CHIP 4.7K 5.5  RES,CHIP 68K 5.5  (KV-28FX60A/28FX60I 28FX60K/28FX60I 32FX60A/32FX60I 32FX60K/32FX60I CARBON 0.47 5.5  (KV-28FX60A/28FX60I 28FX60K/28FX60I	% 1/10W % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U) % 1/4W F % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/	R6281 R6282 R6283 R6284 R6285 R6286 R6287 R6313 R6322	1-249-377-11 1-215-886-11 1-216-393-00 1-216-013-00 1-216-073-00 1-216-073-00 1-216-295-91 1-216-049-91 1-216-049-91 1-216-025-91	CARBON METAL OXIDE METAL OXIDE RES,CHIP RES,CHIP RES,CHIP RES,CHIP SHORT RES,CHIP RES,CHIP RES,CHIP RES,CHIP	0.47 100 2.2 470K 2.2K 10K 10K 0 1K	5% 5% 5% 5% 5% 5% 5% 5% 5%	1/4W 2W 3W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	F F
R6195 R6196 R6198	1-216-093-00 1-216-065-91 1-249-377-11 1-216-075-00 1-216-081-00	RES,CHIP 4.7K 5:  RES,CHIP 68K 5:  (KV-28FX60A/28FX60I 28FX60K/28FX60I 32FX60K/32FX60I 32FX60K/32FX60I CARBON 0.47 5:  (KV-28FX60A/28FX60I 28FX60K/28FX60I RES,CHIP 22K 5:  (KV-28FX60A/28FX60I 32FX60K/32FX60I 32FX60K/32FX60I	% 1/10W % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U) % 1/4W F % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U)	R6281 R6282 R6283 R6284 R6285 R6286 R6287 R6313 R6322 R6322 R6323 R6324 R6325 R6350 R6351	1-249-377-11 1-215-886-11 1-216-393-00 1-216-113-00 1-216-073-00 1-216-073-00 1-216-295-91 1-216-049-91 1-216-025-91 1-216-025-91 1-216-089-91 1-218-762-11	CARBON METAL OXIDE METAL OXIDE RES, CHIP RES, CHIP RES, CHIP RES, CHIP SHORT RES, CHIP RES, CHIP RES, CHIP RES, CHIP RES, CHIP RES, CHIP	0.47 100 2.2 470K 2.2K 10K 10K 0 1K 1K 100 100 47K 270K	5% 5% 5% 5% 5% 5% 5% 5% 5% 0.50%	1/4W 2W 3W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	F F
R6195 R6196 R6198 R6199	1-216-093-00 1-216-065-91 1-249-377-11 1-216-075-00 1-216-081-00	RES,CHIP 4.7K 5.5  RES,CHIP 68K 5.5  (KV-28FX60A/28FX60I 28FX60K/28FX60I 32FX60K/32FX60I 32FX60K/32FX60I CARBON 0.47 5.5  (KV-28FX60A/28FX60I 28FX60K/28FX60I 28FX60K/28FX60I 32FX60K/32FX60I 32FX60K/32FX60I 32FX60K/32FX60I	% 1/10W % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U) % 1/4W F % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U) % 1/10W	R6281 R6282 R6283 R6284 R6285 R6286 R6287 R6313 R6322 R6323 R6324 R6325 R6350 R6351	1-249-377-11 1-215-886-11 1-216-393-00 1-216-113-00 1-216-073-00 1-216-073-00 1-216-295-91 1-216-049-91 1-216-025-91 1-216-025-91 1-216-089-91 1-218-762-11 1-216-671-11	CARBON METAL OXIDE METAL OXIDE RES,CHIP RES,CHIP RES,CHIP RES,CHIP SHORT RES,CHIP RES,CHIP RES,CHIP RES,CHIP RES,CHIP RES,CHIP RES,CHIP	0.47 100 2.2 470K 2.2K 10K 10K 0 1K 1K 100 100 47K 270K	5% 5% 5% 5% 5% 5% 5% 0.50% 0.50%	1/4W 2W 3W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	F F
R6195 R6196 R6198 R6199 R6205	1-216-093-00 1-216-065-91 1-249-377-11 1-216-075-00 1-216-081-00 1-216-081-00 1-216-025-91	RES,CHIP 4.7K 5.5  RES,CHIP 68K 5.5  (KV-28FX60A/28FX60H 28FX60K/28FX60H 32FX60K/32FX60H 32FX60K/32FX60H CARBON 0.47 5.5  RES,CHIP 12K 5.5  (KV-28FX60A/28FX60H 28FX60K/28FX60H RES,CHIP 22K 5.5  (KV-32FX60A/32FX60H 32FX60K/32FX60H 32FX60K/32FX60H RES,CHIP 22K 5.5  (KV-32FX60A/32FX60H 32FX60K/32FX60H 32FX60K/32FX60H 32FX60K/32FX60H 32FX60K/32FX60H	% 1/10W % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U) % 1/4W F % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U) % 1/10W % 1/10W	R6281 R6282 R6283 R6284 R6285 R6286 R6287 R6313 R6322 R6323 R6324 R6325 R6350 R6351	1-249-377-11 1-215-886-11 1-216-393-00 1-216-113-00 1-216-073-00 1-216-073-00 1-216-073-00 1-216-295-91 1-216-049-91 1-216-025-91 1-216-025-91 1-216-089-91 1-218-762-11 1-216-671-11 1-218-774-11	CARBON METAL OXIDE METAL OXIDE RES,CHIP RES,CHIP RES,CHIP RES,CHIP SHORT RES,CHIP RES,CHIP RES,CHIP RES,CHIP METAL CHIP METAL CHIP	0.47 100 2.2 470K 2.2K 10K 10K 0 1K 1K 100 100 47K 270K 6.8K 820K	5% 5% 5% 5% 5% 5% 5% 0.50% 0.50%	1/4W 2W 3W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	F F
R6195 R6196 R6198 R6199 R6205 R6206	1-216-093-00 1-216-065-91 1-249-377-11 1-216-075-00 1-216-081-00 1-216-081-00 1-216-025-91 1-216-105-91	RES,CHIP 4.7K 5.5  RES,CHIP 68K 5.5  (KV-28FX60A/28FX60H 28FX60K/28FX60H 32FX60K/32FX60H 32FX60K/32FX60H CARBON 0.47 5.5  (KV-28FX60A/28FX60H 28FX60K/28FX60H 28FX60K/28FX60H 32FX60K/32FX60H RES,CHIP 22K 5.5  (KV-32FX60A/32FX60H 32FX60K/32FX60H	% 1/10W % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U) % 1/4W F % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U) % 1/10W % 1/10W % 1/10W	R6281 R6282 R6283 R6284 R6285 R6286 R6287 R6313 R6322 R6323 R6324 R6325 R6350 R6351	1-249-377-11 1-215-886-11 1-216-393-00 1-216-113-00 1-216-073-00 1-216-073-00 1-216-073-00 1-216-049-91 1-216-049-91 1-216-025-91 1-216-025-91 1-216-089-91 1-218-762-11 1-218-774-11 1-216-675-11	CARBON METAL OXIDE METAL OXIDE RES,CHIP RES,CHIP RES,CHIP RES,CHIP SHORT RES,CHIP RES,CHIP RES,CHIP RES,CHIP METAL CHIP METAL CHIP METAL CHIP	0.47 100 2.2 470K 2.2K 10K 10K 0 1K 1K 100 100 47K 270K 6.8K 820K 10K	5% 5% 5% 5% 5% 5% 5% 0.50% 0.50% 0.50%	1/4W 2W 3W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	F F
R6195 R6196 R6198 R6199 R6205	1-216-093-00 1-216-065-91 1-249-377-11 1-216-075-00 1-216-081-00 1-216-081-00 1-216-025-91	RES,CHIP 4.7K 5.5  RES,CHIP 68K 5.5  (KV-28FX60A/28FX60H 28FX60K/28FX60H 32FX60K/32FX60H 32FX60K/32FX60H CARBON 0.47 5.5  (KV-28FX60A/28FX60H 28FX60K/28FX60H 28FX60K/28FX60H 32FX60K/32FX60H RES,CHIP 22K 5.5  (KV-32FX60A/32FX60H 32FX60K/32FX60H	% 1/10W % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U) % 1/4W F % 1/10W B/28FX60D/28FX60E/ R/28FX60U) % 1/10W B/32FX60D/32FX60E/ R/32FX60U) % 1/10W % 1/10W % 1/10W	R6281 R6282 R6283 R6284 R6285 R6286 R6287 R6313 R6322 R6323 R6324 R6325 R6350 R6351	1-249-377-11 1-215-886-11 1-216-393-00 1-216-113-00 1-216-073-00 1-216-073-00 1-216-073-00 1-216-295-91 1-216-049-91 1-216-025-91 1-216-025-91 1-216-089-91 1-218-762-11 1-216-671-11 1-218-774-11	CARBON METAL OXIDE METAL OXIDE RES,CHIP METAL CHIP METAL CHIP METAL CHIP RES,CHIP	0.47 100 2.2 470K 2.2K 10K 10K 10 100 47K 270K 6.8K 820K 10K 2.2K	5% 5% 5% 5% 5% 5% 5% 0.50% 0.50% 0.50% 5%	1/4W 2W 3W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	F F

D1	D
REF. NO.	PART.NO
R6359	1-216-097-93
	4 04 6 050 0

REF. NO.	PART.NO	DESCRIPTION	N		REMARK	REF. NO.	PART.NO	DESCRIPTI	ON		RE	MARK
R6359	1-216-097-91	RES,CHIP	100K	5%	1/10W	R6414	1-216-679-11	METAL CHIP	15K	0.50%	1/10W	i
6360	1-216-073-00		10K		1/10W	R6415	1-216-683-11			0.50%		
361	1-216-097-91		100K		1/10W	R6416	1-216-683-11		22K		1/10W	
6362	1-216-687-11			0.50%		R6418	1-216-093-00		68K	5%	1/10%	
363	1-216-675-11			0.50%		R6419	1-216-073-00		10K	5%	1/10W	
303	1-210-075-11	METAL CITE	IVI	0.50%	1/10#	K0413	1-210-075-00	RES, CHIE	ION	J*	1/10	
364	1-216-057-00		2.2K		1/10W	R6420	1-216-091-00		56K	5%	1/10W	
365	1-216-033-00		220		1/10W	R6421	1-216-637-11		270	0.50%	1/10W	
366	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R6422	1-216-639-11	METAL CHIP		0.50%		
5367	1-216-679-11	METAL CHIP	15K	0.50%	1/10W	R6423	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W	I
368	1-218-760-11	METAL CHIP	220K	0.50%	1/10W	R6426	1-216-081-00	RES,CHIP	22K	5%	1/10W	1
369	1-218-762-11	METAL CHIP	270K	0.50%	1/10W	R6427	1-216-081-00	RES, CHIP	22K	5%	1/10W	i
370	1-216-675-11	METAL CHIP	10K		•	R6428	1-216-101-00		150K	5%	1/10W	
				60B/28F	X60D/28FX60E/	R6429	1-216-065-91		4.7K		1/10W	
				K60R/281		R6430	1-216-065-91				1/10W	
	1-216-677-11			0.50%		R6431	1-216-113-00		470K		1/10W	
	T 210-0//-11				X60D/32FX60E/	VOST	1 510-113-00	NEO, CHIP	4/01	J70	T/ TOW	•
						DC400	1 016 057 00	DEC CUIT	0.0**	E0.	1 /1 0	,
		32FX60	UK/ 32F2	K60R/321	A000)	R6432	1-216-057-00		2.2K		1/10W	
051	4 040 4-11		00	FC	O	R6433	1-216-073-00		10K		1/10%	ľ
371	1-216-474-11		82		3W F	R6437	1-249-422-11		2.7K		1/4W	
372	1-216-033-00		220		1/10W	R6438	1-249-421-11		2.2K		1/4W	
373	1-216-681-11			0.50%		R6439	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	i
374	1-216-689-11			0.50%								
375	1-216-041-00	RES,CHIP	470	5%	1/10W	R6440	1-216-683-11	METAL CHIP	22K	0.50%	1/10W	I
						R6441	1-216-673-11	METAL CHIP	8.2K	0.50%	1/10W	i
377	1-216-689-11	METAL CHIP	39K	0.50%	1/10W	R6442	1-216-039-00	RES, CHIP	390	5%	1/10W	1
378	1-216-675-11	METAL CHIP	10K	0.50%	1/10W	R6455	1-216-295-91		0			
379	1-216-295-91	SHORT	0		•	R6456	1-216-097-91		100K	5%	1/10W	ı
380	1-218-754-11			0.50%	1/10W			,			_,	•
381	1-216-045-00		680	5% 5%		R6457	1-216-075-00	DEC CHID	12K	5%	1/10W	1
301	1-210-043-00	RES, CHIF	000	J.º	1/100	R6458				5%		
200	1 010 754 11	ACCEST OUTD	1002	0 500	1 /1 057		1-216-089-91		47K		1/10%	
382	1-218-754-11			0.50%		R6459	1-216-057-00		2.2K		1/10W	1
383	1-216-687-11			0.50%		R6460	1-249-393-11		10	5% 5°	1/4W	
384	1-216-043-91			5%	1/10W	R6461	1-249-411-11	CARBON	330	5%	1/4W	
385	1-216-295-91		0		4 /4 0				400		4 / 4	
386	1-216-699-11	METAL CHIP	100K	0.50%	1/10W	R6462	1-249-406-11		120	5%	1/4W	
						R6463	1-216-095-00		82K	5%	1/10W	
387	1-216-677-11	METAL CHIP	12K	0.50%	1/10W	R6464	1-216-079-00	RES,CHIP	18K	5%	1/10W	i
391	1-249-417-11	CARBON	1K	5%	1/4W							
394	1-216-069-00	,	6.8K		1/10W	******	******	******	******	*****	*****	******
395	1-216-081-00		22K		1/10W							
397	1-216-675-11	METAL CHIP	10K	0.50%	1/10W		*A-1640-328-A	D BOARD, CO		(KV-28F	X60)	
398	1-216-065-91	סדים רעדים	4.7K	52	1/10W		*A-1640-323-A			(K/1-30E	Y601	
399	1-218-756-11			0.50%	•		W-1040-373-W	*******		MA DEE	100)	
400	1-216-675-11			0.50%	T/ TOW		4 001 000 01	0D3.00D	III 3 MT***			
401	1-216-295-91		0				4-201-023-01		ULATING			
402	1-216-295-91	SHORT	0				4-202-373-01					
							4-382-854-11	•		SW (+)		
403	1-216-661-11			0.50%			*4-931-401-01	HEAT SINK,	V.OUT			
404	1-216-683-11	METAL CHIP	22K	0.50%	1/10W							
405	1-216-683-11	METAL CHIP	22K	0.50%	1/10W		< CAP	ACITOR >				
409	1-216-025-91	RES, CHIP	100	5%	1/10W							
410	1-216-073-00	RES, CHIP	10K	5%	1/10W	C6600	△ 1-162-580-51	CERAMIC	0.01ME	?		400V
	· · ·				X60D/28FX60E/	C6603	1-126-933-11		100MF		20%	16V
		•		K60R/281		C6604	1-126-767-11		1000MF		20%	16V
			,				△ 1-119-888-51		2200PE		20%	250V
5411	1-216-073-00	RES.CHTP	10K	5%	1/10W		△ 1-119-888-51		2200PF		20%	250V
3412	1-216-073-00	,	10K		1/10W			J	220021	•		
413	1-216-679-11			0.50%		C6607	△ 1-107-565-11	FTTM	0.33ME	7	20%	300V
TLJ	1-210-0/3-11	MEIND CHIP	TOV	0.306	T/ TOM	C0001	W 1-101-202-11	ETTIM	U.JJE		ZV0	2004



REF. NO.	PART.NO	DESCRIPTIO	N	R	EMARK	REF. NO.	PART.NO	DESCRIPTION	ON	R	EMARK
C6608	△ 1-161-964-91	CERAMIC	0.0047MF		250V	C6672	1-104-664-11	ELECT	47MF	20%	16V
C6609	△ 1-161-964-91		0.0047MF		250V	C6673	1-104-664-11		47MF	20%	16V
C6610	1-162-599-12		0.0047MF		250V	C6677	1-136-165-00		0.1MF	5%	50V
						1					
C6611	1-162-599-12	CERAMIC	0.0047MF		250V	C6679	1-130-495-00		0.1MF	5% - ^	50V
C6612	1-161-744-00	CERAMIC	0.01MF		400V	C6680	1-137-370-11	FILM	0.01MF	5%	50V
C6616	1-164-625-11	CERAMIC	680PF	10%	500V	C6681	1-126-964-11	ELECT	10MF	20%	50V
C6617	1-164-625-11	CERAMIC	680PF	10%	500V	C6700	1-102-129-00	CERAMIC	0.01MF	10%	50V
C6618	1-136-175-00	FILM	0.68MF	5%	50V	C6703	1-128-527-11	ELECT	330MF	20%	25V
C6619	1-137-194-91	FILM	0.47MF	5%	50V	C6704	1-126-968-11	ELECT	100MF	20%	50V
C6620	1-136-618-11	FILM	0.047MF	5%	1.25KV	C6705	1-128-527-11	ELECT	330MF	20%	25V
C6621	1-136-175-00	FILM	0.68MF	5%	50V	C6706	1-106-228-00	MYLAR	0.22MF	10%	100V
C6622	1-164-625-11		680PF	10%	500V	C6707	1-129-702-00		0.001MF	10%	400V
						1					
C6623	1-137-194-91		0.47MF	5%	50V	C6708	1-106-220-00		0.1MF	10%	100V
C6624	1-126-968-11		100MF	20%	50V	C6709	1-102-129-00		0.01MF	10%	50V
C6626	1-164-625-11	CERAMIC	680PF	10%	500V	C6710	1-130-785-11	MYLAR	0.47MF	10%	100V
C6627	1-164-625-11	CERAMIC	680PF	10%	500V	C6727	1-102-228-00	CERAMIC	470PF	10%	500V
C6628	1-126-936-11	ELECT	3300MF	20%	16V	C6801	1-104-664-11	ELECT	47MF	20%	25V
C6629	1-128-548-11	ELECT	4700MF	20%	25V	C6802	1-126-960-11	ELECT	1MF	20%	50V
C6630	1-110-626-11	ELECT	330MF	20%	160V	C6803	1-126-960-11	ELECT	1MF	20%	50V
C6631	1-128-548-11		4700MF	20%	25V	C6804	1-102-114-00		470PF	10%	50V
C6632	1-128-548-11	ELECT	4700MF	20%	25V	C6805	1-102-114-00	CERAMIC	470PF	10%	50V
C6633	1-126-935-11	ELECT	470MF	20%	16V	C6808	1-102-030-00	CERAMIC	330PF	10%	500V
C6634	1-136-165-00	FILM	0.1MF	5%	50V	C6809	1-102-030-00	CERAMIC	330PF	10%	500V
C6635	1-104-664-11	ELECT	47MF	20%	25V	C6810	1-107-368-11	FILM	0.047MF	10%	200V
C6636	1-102-129-00	CERAMIC	0.01MF	10%	50V	C6811	1-107-368-11		0.047MF	10%	200V
C6637	1-102-129-00	CERAMIC	0.01MF	10%	50V	C6812	1-162-131-11	CEDAMIC	220PF	10%	2KV
C6638	1-137-368-11		0.0047MF	5%	50V	C6813	1-162-134-11		470PF	10%	2KV
						1					
C6639	1-102-228-00		470PF	10%	500V	C6814	1-117-641-11		7500PF	3%	1.2KV
C6641	1-126-967-11		47MF	20%	50V				50A/28FX60B/		
C6642	1-126-964-11	ELECT	10MF	20%	50V		1 117 (10 11		60K/28FX60R/		•
~~~				•••			1-117-640-11		6800PF	3%	1.2KV
C6647	1-104-664-11		47MF	20%	25V			•	50A/32FX60B/		
C6649	1-126-965-11		22MF	20%	50V			32FX	60K/32FX60R/	32FX60U	i)
C6651	1-162-599-12		0.0047MF		250V						
C6652	1-107-679-91	ELECT	10MF	20%	450V	C6815	1-117-836-11	FILM	6800PF	3%	2KV
C6653	1-126-968-11	ELECT	100MF	20%	50V			·	50A/28FX60B/ 50K/28FX60R/		
OCCEA	1 160 117 00	CEDANTO	1000	100	E 0 017		1 117 025 11				•
C6654	1-162-117-00		100PF	10%	500V		1-117-835-11		6200PF	3%	2KV
C6655	1-109-879-11		22PF	5%	2KV				50A/32FX60B/		
C6656	1-126-967-11		47MF	20%	50V			32FX	60K/32FX60R/	32FX60U	i)
C6657	1-126-941-11	ELECT	470MF	20%	25V						
C6658	1-104-665-11	ELECT	100MF	20%	25V	C6816	1-137-364-00	FILM	0.001MF	5%	50V
						C6817	1-125-893-11	FILM	680PF	3%	2KV
C6659	1-104-665-11	ELECT	100MF	20%	25V	C6818	1-125-893-11	FILM	680PF	3%	2KV
C6661	1-117-753-11	ELECT (BLOCK)	470MF	20%	450V	C6819	1-125-893-11	FILM	680PF	3%	2KV
C6662	1-136-165-00		0.1MF	5%	50V	C6820	1-125-893-11		680PF	3%	2KV
C6664	1-136-153-00		0.1MF		50V	C0020	1-123-093-11	FILM	OOULL	J*	21(4
				5% 5°		00004	1 107 046 11		0 1145	F0	0.00**
C6665	1-136-165-00	t.T PW	0.1MF	5%	50V	C6824 C6825	1-107-846-11 1-117-662-11		0.1MF 0.18MF	5% 5%	200V 200V
C6666	1-136-165-00	FILM	0.1MF	5%	50V	C6826	1-117-666-71		0.39MF	5%	250V
C6667	1-126-933-11		100MF	20%	16V	55525	1 11, 000 /1		50A/28FX60B/		
C6668	1-126-933-11		100MF	20%	16V		1 117 665 44		60K/28FX60R/		•
C6669	1-136-165-00		0.1MF	5%	50V		1-117-665-11		0.33MF	5%	200V
C6670	1-136-165-00	FILM	0.1MF	5%	50V			•	50A/32FX60B/ 50K/32FX60R/		
C6671	1-104-664-11	ELECT	47MF	20%	16V			ozin.	, 5=====		,

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REF. NO.	PART.NO	DESCRIPT	ION	F	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C6827	1-117-660-21	FTT.M	0.12MF	5%	200V	D6619	8-719-510-12	DIODE D10SC4M	
C6828	1-127-681-91		10000PF	2%	100V	D6620		DIODE D10SC6M	
C6829	1-127-681-91		10000PF	2%	100V	D6621		DIODE 1SS133T-77	
C6830	1-107-655-11		47MF	20%	250V	D6622		DIODE 1SS133T-77	
C6831	1-102-228-00	CERAMIC	470PF	10%	500V	D6623	8-719-911-19	DIODE 1SS119-25	
C6832	1-126-941-11	ELECT	470MF	20%	25V	D6624	8-719-991-33	DIODE 1SS133T-77	
C6833	1-126-941-11		470MF	20%	25V	D6625		DIODE 1SS133T-77	
C6834	1-102-228-00		470PF	10%	500V	D6627		DIODE MTZJ-33C	
C6835	1-102-228-00		470PF	10%	500V	D6628		DIODE RD6.8ESB2	
C6836	1-123-024-21		33MF	100	160V	D6629		DIODE 1SS133T-77	
	4 444 455 44			440					
C6837	1-106-375-12		0.022MF	10%	250V	D6630		DIODE 1SS133T-77	
C6840	1-137-370-11		0.01MF	5%	50V	D6651		DIODE ERC04-06SE	
C6841	1-104-664-11		47MF	20%	16V	D6652		DIODE MTZJ-T-77-12	
C6842	1-136-207-11	FILM	0.047MF	10%	400V	D6653	8-719-510-64	DIODE S2LA20F	
C6843	1-136-177-00	FILM	1MF	5%	50V	D6654	8-719-059-23	DIODE P6KE200AG23	
C6851	1-162-131-11	CERAMIC	220PF	10%	2KV	D6655	8-719-979-64	DIODE UF4005PKG23	
C6852	1-162-131-11		150PF	10%	2KV	D6656		DIODE S2LA20F	
C6853	1-137-536-11		0.0022MF	5%	630V	D6658		DIODE ERC04-06SE	
C6855	1-136-205-11		0.022MF	10%	400V	D6659		DIODE S2LA20F	
C6856	1-102-030-00	CERAMIC	330PF	10%	500V	D6676	8-719-991-33	DIODE 1SS133T-77	
C6857	1-130-785-11	FILM	0.47MF	10%	100V	D6677	8-719-921-40	DIODE MTZJ-4.7C	
C6861	1-137-364-11		0.001MF	5%	50V	D6678		DIODE MTZJ-4.7C	
C6862	1-137-364-11		0.001MF	5%	50V	D6679		DIODE 1SS133T-77	
C6863	1-162-134-11		470PF	ວຈ 10%	2KV	D6700	8-719-991-33		
C0003	1-102-134-11	CERAMIC	4/021	106	200				
	< COI	NNECTOR >				D6701	8-719-110-41	DIODE RD15ESB2	
						D6803	8-719-908-03	DIODE GP08D	
CN6100	1-785-805-11	JACK, I.LIN	IK			D6805	8-719-302-43	DIODE EL1Z	
CN6101	1-785-805-11					D6806	8-719-979-85	DIODE EGP20G	
CN6102	1-785-805-11					D6807		DIODE S3L20UF4	
CN6500	1-508-766-00			CH) AP		D6808		DIODE S3L20UF4	
CN6600	1-695-299-11	,	•			20000	0 713 010 73	51052 05220011	
						D6809		DIODE 1SS133T-77	
CN6611	*1-580-798-11					D6810		DIODE MTZJ-T-77-15	
CN6620	△ 1-508-765-00	PIN, CONNEC	CTOR (5MM PIT	'CH) 3P		D6811	8-719-923-86	DIODE MTZJ-T-77-15	
CN6655	1-695-915-11	TAB (CONTAC	CT)			D6812	8-719-991-33	DIODE 1SS133T-77	
CN6666 .	△ 1-508-786-00 1-695-915-11			CH) 2P		D6813	8-719-923-86	DIODE MTZJ-T-77-15	
CHOOTT	1 033 313 11	IMD (CONTAC				D6851	8-719-970-87	DIODE ERA38-06	
CN6688	1-695-915-11	TAR (CONTAC	ነጥ)			D6852		DIODE ERA38-06	
	△ *1-691-291-11		,	D) 5P		50032	0 113 310-01	STODE MINDO VV	
***************************************		ODE A					< FER	RITE BEAD >	
	< DIO	ODE >				FB6600	1-535-303-00	LEAD, JUMPER (5.0MM)	
D6600	8-719-911-19	DIODE 19911	9-25			FB6601		LEAD, JUMPER (5.0MM)	
D6601	8-719-510-64					FB6602	1-410-396-41	, , ,	
D6602	8-719-109-89					FB6603	1-410-396-41	FERRITE 0.45U	п
D6603	8-719-911-19						. ==		
D6604	8-719-510-53	DIODE D4SB6	OOT				< IC	>	
D6610	8-719-510-64	DIODE S2LA2	20F			IC6600	1-810-051-11	POWER MODULE DM-48	
D6613	8-719-911-19					IC6604		TRANSISTOR MX0842A-E	,
D6615	8-719-911-19					IC6651	8-759-468-89		
D6616	8-719-510-12					IC6652	8-759-604-39		
D6617	8-719-500-71	DIODE DRTC4	ŧU			IC6653	8-759-544-13	IC KA/8RU9TU	
D6618	8-719-047-31	DIODE RBA-4	102L			IC6654	8-759-457-44	IC KA78R05TU	
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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	. PART.NO	DESCRIPTIO	N		RE	MARK
IC6667	8-759-908-15	IC TL431CLP		Q6667	8-729-026-41	TRANSISTOR 2	SA933AS-	-QRT		
IC6676	8-759-908-15	IC TL431CLP		Q6676	8-729-119-78					
IC6700	8-759-192-71	IC STV9379		Q6677	8-729-119-78	TRANSISTOR 2	SC2785-F	HE		
IC6801	8-759-103-93	IC UPC393C		Q6678	8-729-119-78	TRANSISTOR 2	SC2785-F	IFE		
	4 001			Q6679	8-729-026-41	TRANSISTOR 2	SA933AS-	-QRT		
	< CO1	.L. >		Q6680	8-729-029-66	TRANSISTOR D	TC114ES	A		
L6601	1-535-303-00	LEAD, JUMPER (5.0MM	)	Q6681	8-729-029-66	TRANSISTOR D	TC114ESA	A		
L6602	1-412-529-11	INDUCTOR 22UH		Q6700	8-729-039-68	TRANSISTOR I	RF620			
L6603	1-412-529-11	INDUCTOR 22UH		Q6801	8-729-119-80	TRANSISTOR 2	SC2688-I	LK		
6604	1-412-525-31	INDUCTOR 10UH		Q6802	8-729-119-80	TRANSISTOR 2	SC2688-I	LK		
16605	1-412-525-31	INDUCTOR 10UH								
				Q6803	8-729-046-18	TRANSISTOR 2	SC5480-0	)1		
6606	1-412-525-31	INDUCTOR 10UH		Q6804	8-729-046-18	TRANSISTOR 2	SC5480-0	)1		
6607	1-412-525-31	INDUCTOR 10UH		Q6805	8-729-038-83	TRANSISTOR 2	SK2251-0	)1-F19	)	
6651	1-414-183-41			Q6806	8-729-930-91	TRANSISTOR I	RF740			
6700	1-412-524-41	INDUCTOR 8.2U	H	Q6807	8-729-030-02	TRANSISTOR D	TC144ESA	A		
6801	1-412-519-11									
				Q6809	8-729-119-78					
6802	1-412-519-11			Q6810	8-729-026-41					
6803	1-412-519-11			Q6851	8-729-043-95	TRANSISTOR 2	SC3840 (3	3)		
6805	1-408-947-00									
6806	1-410-397-21		H		< RES	SISTOR >				
6807	1-410-397-21	FERRITE 1.1U	H							
				R6601	△ 1-202-968-11	CEMENTED	1.2	5%	10W	
6808	1-406-675-11	INDUCTOR OUH		R6603	1-249-430-11	CARBON	12K	5%	1/4W	
6851	1-535-303-00	LEAD, JUMPER (5.0MM	)	R6604	1-249-421-11	CARBON	2.2K	5%	1/4W	
				R6605	1-249-417-11	CARBON	1K	5%	1/4W	F
	< FII	TER >		R6606	△ 1-202-968-11	CEMENTED	1.2	5%	10W	
F6603	1-406-656-21	INDUCTOR OUH		R6607	△ 1-202-968-11	CEMENTED		5%	10W	
F6604	1-406-656-21	INDUCTOR OUH		R6608	△ 1-202-968-11	CEMENTED	1.2	5%	10W	
F6801	1-406-985-11	INDUCTOR OUH		R6611	1-260-125-11	CARBON	150K	5%	1/2W	
F6851	1-406-674-11	INDUCTOR OUH		R6612	1-260-125-11	CARBON	150K	5%	1/2W	
	. TC	I TNV \		R6613	1-216-369-00	METAL OXIDE	1	5%	2W	F
	V 10	LINK >		R6614	1-260-125-11	CARBON	150K	5%	1/2W	
36601 Z	△ 1-801-550-21	PROTECTOR MODULE 2.	5A MP250	R6615	1-260-125-11	CARBON	150K	5%	1/2W	
36602 Z	1-801-550-21	PROTECTOR MODULE 2.	5A MP250	R6616	1-216-369-00	METAL OXIDE	1	5%	2W	F
36603 Z	1-801-550-21	PROTECTOR MODULE 2.	5A MP250	R6619	1-249-425-11	CARBON	4.7K	5%	1/4W	
		(KV-28FX60A/28FX 28FX60K/28FX	60B/28FX60D/28FX60E/ 60R/28FX60U)	R6620	1-249-443-11	CARBON	0.47	5%	1/4W	F
1	△ 1-801-549-21	PROTECTOR MODULE 4.		R6624	1-249-425-11	CARBON	4.7K	5%	1/4W	
			60B/32FX60D/32FX60E/	R6625	1-249-429-11			5%	1/4W	
		32FX60K/32FX		R6626	1-247-807-31			5%	1/4W	
				R6627	1-249-429-11			5%	1/4W	
		PROTECTOR MODULE 2. PROTECTOR MODULE 2.		R6628	1-260-129-11		330K		1/2W	
,0000 L	7 1 001 JJ0-21	INCIDETON MODULE 2.	OIL SIESOV	R6629	1-260-129-11	CARRON	330K	5%	1/2W	
	<b>/</b> ₩D7	ANSISTOR >		R6630	1-249-417-11		330K	5%	1/4W	
	₹ TRA	MOIDION /		R6631	1-249-425-11		1K 4.7K		1/4W 1/4W	
6600	8-720-046-47	TRANSISTOR KSC2500-	RΨ1	R6632	1-249-425-11		4.7K 0.27		1/4W 2W	P
6602		TRANSISTOR ASC2500-		R6633	1-249-429-11		10K		2W 1/4W	r
6603		TRANSISTOR 2SC2785-	-	CC0077	1-243-423-11	CARBON	TOV	J6	1/4W	
		TRANSISTOR ZSCZ785- TRANSISTOR KSC2500-		Decor	1_525 202 00	LEAD, JUMPER	/E 0101			
	0-129-040-41			R6635					1 / 41-7	
6605	0 700 000 FC	TRANSISTOR DTAIL44KS	A	R6637	1-249-421-11		2.2K		1/4W	
6605	8-729-029-56			R6638	1-247-895-91		470K	<b>5</b> 8	1/4W	
6605 6606				I	4 040 444 44			E C		
6605 6606 6607	8-729-119-78	TRANSISTOR 2SC2785-		R6639	1-249-416-11			5% = ^	1/4W	
6605 6606 6607 6608	8-729-119-78 8-729-029-66	TRANSISTOR 2SC2785- TRANSISTOR DTC114ES	A	I	1-249-416-11 1-249-417-11		820 1K	5% 5%	1/4W 1/4W	
6605 6606 6607	8-729-119-78 8-729-029-66 8-729-026-41	TRANSISTOR 2SC2785-	A -QRT	R6639		CARBON		5%		

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REF. NO.	PART.NO	DESCRIPTION	N		RE	EMARK	REF. NO.	PART.NO	DESCRIPTIO	N		RE	MARK
R6642	1-249-389-11	CARBON	4.7	5%	1/4W	F	R6802	1-214-915-00	METAL	120K	1%	1/2W	
16643	1-249-417-11		1K	5%	1/4W		R6803	1-249-421-11		2.2K		1/4W	
6644	1-249-429-11	CARBON	10K	5%	1/4W		R6804	1-247-807-31		100	5%	1/4W	
6645	1-260-131-11	CARBON	470K		1/2W		R6805	1-247-807-31		100	5%	1/4W	
6646	1-249-429-11	CARBON	10K	5%	1/4W		R6806	1-249-411-11	CARBON	330	5%	1/4W	
6647	1-249-410-11	CARBON	270	5%	1/4W		R6807	1-249-411-11	CARBON	330	5%	1/4W	
6648	1-247-863-91	CARBON	22K	5%	1/4W		R6808	1-260-340-11	CARBON	10K	5%	1/2W	
6649	1-215-926-00	METAL OXIDE	33K	5%	3W	F	R6809	1-260-340-11	CARBON	10K	5%	1/2W	
6651	1-247-791-91	CARBON	22	5%	1/4W		R6810	1-215-895-11	METAL OXIDE	3.3K	5%	3W	F
6652	1-249-389-11	CARBON	4.7	5%	1/4W	F			(KV-28FX6 28FX60			28FX60D/ 8FX60U)	'28FX60E/
6653	1-249-421-11	CARBON	2.2K	5%	1/4W			1-216-460-11		3.9K		3W .	F
6655	1-249-429-11	CARBON	10K	5%	1/4W				(KV-32FX6				
6656 △	1-218-265-11	METAL	8.2M	5%	1W				•			2FX60U)	
6657	1-215-424-00		1.3K	****************	1/4W								
6666	1-202-933-61		0.1	10%	1/2W	F	R6811	1-216-461-00	METAL OXIDE	5.6K	5%	2W	F
							R6812	1-215-895-11		3.3K	5%	2W	F
6667	1-215-441-00	METAL	6.8K	1%	1/4W		R6813	1-215-895-11		3.3K		2W	F
6668	1-249-429-11	CARBON	10K	5%	1/4W		R6814	1-215-880-00	METAL OXIDE	10	5%	2W	F
6669	1-249-413-11	CARBON	470	5%	1/4W		R6815	1-215-880-00	METAL OXIDE	10	5%	2W	F
6670	1-249-417-11	CARBON	1K	5%	1/4W								
6676	1-249-417-11	CARBON	1K	5%	1/4W		R6816	1-216-361-00	METAL OXIDE	0.22	5%	2W	F
							R6817	1-216-361-00	METAL OXIDE	0.22	5%	2W	F
6677	1-249-417-11	CARBON	1K	5%	1/4W		R6818	1-247-807-31	CARBON	100	5%	1/4W	
6678	1-249-417-11	CARBON	1K	5%	1/4W		R6819	1-247-807-31		100	5%	1/4W	
6679	1-215-479-00	METAL	270K	1%	1/4W		R6831	1-260-124-11		120K	5%	1/2W	
681	1-215-467-00	METAL	82K	1%	1/4W								
6682	1-215-447-00	METAL	12K	1%	1/4W		R6832	1-216-434-11	METAL OXIDE	1.8K	5%	1W	F
							R6833	1-202-972-61	FUSIBLE	1	5%	1/4W	F
6683	1-215-429-00	METAL	2.2K	1%	1/4W		R6834	1-249-377-11	CARBON	0.47	5%	1/4W	F
6684	1-247-807-31	CARBON	100	5%	1/4W		R6835	1-249-377-11	CARBON	0.47	5%	1/4W	F
6685	1-249-417-11	CARBON	1K	5%	1/4W		R6836	1-249-431-11	CARBON	15K			
6686	1-215-449-00	METAL	15K	1%	1/4W				(KV-28FX6				28FX60E/
6687	1-249-431-11	CARBON	15K	5%	1/4W			1-249-429-11		K/28FX 10K	60R/2 5%	8FX60U) 1/4W	
6688	1-249-417-11	CARBON	1K	5%	1/4W			1 247 427 11	(KV-32FX6				/32FX60E/
6700	1-215-441-00	METAL	6.8K		1/4W							2FX60U)	JELNOVE/
6701	1-215-439-00	METAL	5.6K		1/4W				JERO				
	700 00	(KV-28FX60			•	28FX60E/	R6837	1-215-894-11	METAL OXIDE	2.2K	5%	2W	F
					8FX60U)		R6838	1-260-119-11		47K	5%	1/2W	-
	1-215-437-00		4.7K		1/4W	•	R6839	1-215-894-11		2.2K		2W	F
		(KV-32FX60			•	32FX60E/	R6840	1-247-843-11		3.3K		1/4W	
					2FX60U)		R6842	1-260-123-11		100K		1/2W	
5702	1-215-441-00		6.8K		1/4W		R6843	1-249-429-11		10K	5%	1/4W	
6703	1-215-439-00		5.6K		1/4W		R6844	1-249-441-11		100K		1/4W	
		(KV-28FX60					R6845	1-247-863-91		22K	5%	1/4W	
					8FX60U)	)	R6851	1-260-123-11		100K		1/4W	
	1-215-437-00	(KV-32FX60		60B/32						K/28FX	60R/2	8FX60U)	28FX60E/
		32FX60	OK/32FX	(60R/3	2FX60U)	)		1-260-127-11	CARBON (KV-32FX6	220K 0A/32F		1/2W 32FX60D/	/32FX60E/
6704	1-249-383-11	CARBON	1.5	5%	1/4W	F						2FX60U)	•
6705	1-247-791-91		22	5%	1/4W					•		,	
6707	1-215-888-00		220	5%	2W	F	R6852	1-260-123-11	CARBON	100K	5%	1/4W	
6708	1-214-798-21		1.8	1%	1/2W				(KV-28FX6				28FX60E/
6709	1-214-798-21	METAL	1.8	1%	1/2W							8FX60U)	
								1-260-127-11		220K		1/2W	
							1						
6710	1-247-843-11	CARBON	3.3K	5%	1/4W				(KV-32FX6	UA/32F2	K60B/3	32FX60D/	/32FX60E/

T6651

1-431-732-11 TRANSFORMER, CONVERTER (SRT)

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R6853	1-260-123-11			T6801	1-433-489-11	TRANSFORMER, FERRITE (	(HDT)
		(KV-28FX60A/28FX60E	3/28FX60D/28FX60E/	T6802	1-433-489-11	TRANSFORMER, FERRITE (	(HDT)
		28FX60K/28FX60F	2/28FX60U)	T6804	△ 1-453-272-11	TRANFORMER, ASSY, FLYB	ACK (NX-4512/U2B4)
	1-260-127-11	CARBON 220K 59	s 1/2W	T6805	1-429-741-11	TRANSFORMER, DRIVE	
		(KV-32FX60A/32FX60E		T6852	1-426-896-11	TRANSFORMER, FERRITE (	DFT)
		32FX60K/32FX60F	1/32FX60U)		< THE	ERMISTOR >	
R6854	1-247-831-91		-,				
R6856	1-216-486-00					THERMISTOR, POSITIVE	
		(KV-28FX60A/28FX60E 28FX60K/28FX60F		TH6700	1-800-193-00	THERMISTOR	
	1-215-922-11	METAL OXIDE 6.8K 5	3W F	*****	*****	*******	*****
		(KV-32FX60A/32FX60E	3/32FX60D/32FX60E/				
		32FX60K/32FX60F	2/32FX60U)		*A-1640-341-A	E BOARD, COMPLETE (KV-	28FX60)
R6857	1_216_496_00	METAL OXIDE 8.2K 59	s 3W F		*X_1640_227_X		.32EV60\
K003/	1-210-480-00	(KV-28FX60A/28FX60E 28FX60K/28FX60E	3/28FX60D/28FX60E/		^A-1640-33/-A	E BOARD, COMPLETE (KV-	328400)
	1-215-922-11	METAL OXIDE 6.8K 59			< CAI	PACITOR >	
		(KV-32FX60A/32FX60E			\ OAI		
		32FX60K/32FX60F		C4316	1-104-664-11	ELECT 47MF	20% 25V
			,,,	C4317		CERAMIC CHIP 0.1MF	10% 25V
R6858	1-216-486-00	METAL OXIDE 8.2K 59	s 3W F	C4318		CERAMIC CHIP 0.1MF	10% 25V
		(KV-28FX60A/28FX60E		C4319		CERAMIC CHIP 0.1MF	10% 25V
		28FX60K/28FX60F		C4320		CERAMIC CHIP 0.1MF	10% 25V
	1-215-922-11	METAL OXIDE 6.8K 59	s 3W F				
		(KV-32FX60A/32FX60E	3/32FX60D/32FX60E/	C4321		CERAMIC CHIP 0.1MF	10% 25V
		32FX60K/32FX60F	(/32FX60U)	C4322	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
				C4324	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R6859	1-216-486-00	METAL OXIDE 8.2K 59	s 3W F	C4325	1-163-093-00	CERAMIC CHIP 10PF	5% 50V
		(KV-28FX60A/28FX60F 28FX60K/28FX60F				(KV-32FX60A/32FX60F 32FX60K/32FX60F	
	1-215-922-11	METAL OXIDE 6.8K 59	•			02233000, 02233000	,,,
		(KV-32FX60A/32FX60E		C4329	1-126-963-11	ELECT 4.7MF	20% 50V
		32FX60K/32FX60F		C4330	1-136-165-00		5% 50V
		,	,	C4331	1-126-959-11	ELECT 0.47MF	20% 50V
R6880	1-215-436-00	METAL 4.3K 19	1/4W	C4332	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R6885	1-215-493-00		•	C4333		CERAMIC CHIP 0.1MF	10% 25V
R6886	1-215-477-00						
R6887	1-215-461-00		<b>'</b> .	C4334	1-126-967-11	ELECT 47MF	20% 50V
R6888	1-249-441-11			C4336	1-126-967-11		20% 50V
			, <b>-</b> ,	C4338		CERAMIC CHIP 0.1MF	10% 25V
R6889	1-249-421-11	CARBON 2.2K 5	s 1/4W	C4340	1-126-967-11		20% 50V
R6890	1-247-887-00			C4342		CERAMIC CHIP 0.01MF	10% 50V
R6891	1-247-895-91			""			
R6892	1-249-437-11		•	C4343	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R6893	1-249-429-11		•	C4344		CERAMIC CHIP 0.047MF	10% 25V
-		<del>_</del>	,	C4345	1-126-967-11		20% 50V
R6895	1-249-443-11	CARBON 0.47 59	1/4W F	C4346		CERAMIC CHIP 0.1MF	10% 25V
R6896	1-249-443-11	CARBON 0.47 59		C4347	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
	< RE	LAY >		C4348	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
	. 200	•		C4349		CERAMIC CHIP 0.1MF	10% 25V
RY6601	△ 1-755-167-11	RELAY, AC POWER		C4350	1-164-004-11		20% 50V
		RELAY, AC POWER				(KV-28FX60A/28FX60E 28FX60K/28FX60E	3/28FX60D/28FX60E/
	< ™R	ANSFORMER >			1-126-963-11		20% 50V
	110				703 11	(KV-32FX60A/32FX60E	
T6600	△ 1-431-616-11	TRANSFORMER, CONVERTE				32FX60K/32FX60E	
		TRANSFORMER, CONVERTED				521VM/ 521.11001	,
		TOANGEODMED CONTENTED					



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
24351	1-164-009-11	CERAMIC CHIP 0.001MF (KV-28FX60A/28FX60	10% 50V		< DIC	DE >	
		28FX60K/28FX60		D4302	8-719-025-29	DIODE 02CZ5.1-TE85	т.
	1-164-161-11	CERAMIC CHIP 0.0022MF		2.502	0 725 020 25		X60B/28FX60D/28FX60E/
	1 101 101 11	(KV-32FX60A/32FX60					X60R/28FX60U)
		32FX60K/32FX60		D4303	8-719-041-97	DIODE MA113-(TX)	
			,	7.555	0 /25 012 5/		X60B/28FX60D/28FX60E/
1352	1-126-967-11	ELECT 47MF	20% 50V				X60R/28FX60U)
1353		CERAMIC CHIP 0.47MF	10% 16V				,,
354		CERAMIC CHIP 0.47MF	10% 16V	D4304	8-719-923-60	DIODE MTZJ-T-77-9.	1A
355		CERAMIC CHIP 0.1MF	10% 25V	D4305		DIODE MTZJ-T-77-9.	
356	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D4311	8-719-914-43	DIODE DAN202K	
				D4312	8-719-914-43	DIODE DAN202K	
357	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D4313	8-719-401-63	DIODE MA3062M-TX	
		(KV-28FX60A/28FX60	B/28FX60D/28FX60E/				
		28FX60K/28FX60			< FER	RITE BEAD >	
	1-163-009-11	CERAMIC CHIP 0.001MF	10% 25V				
			B/32FX60D/32FX60E/	FB4387	1-414-234-22	INDUCTOR CHIP OUH	
		32FX60K/32FX60		FB4388	1-414-234-22	INDUCTOR CHIP OUH	
				FB4389	1-414-234-22	INDUCTOR CHIP OUH	
358	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V				
359	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V		< IC	>	
360	1-126-963-11		20% 50V				
		(KV-28FX60A/28FX60 28FX60K/28FX60		IC4301	8-752-086-23	IC CXA2100Q-TL	
	1-126-966-11	ELECT 33MF	20% 50V		< COI	L >	
		(KV-32FX60A/32FX60	B/32FX60D/32FX60E/				
		32FX60K/32FX60	)R/32FX60U)	L4301	1-414-183-41		
				L4302	1-414-183-41		
361	1-126-967-11		20% 50V	L4303	1-414-183-41		
		•	B/28FX60D/28FX60E/	L4304	1-414-183-41		
		28FX60K/28FX60		L4305	1-414-183-41	INDUCTOR 10U	H
362		CERAMIC CHIP 0.1MF	10% 25V				
363	1-126-967-11	ELECT 47MF	20% 50V	L4306	1-414-183-41		
			***	L4307	1-414-183-41		
364	1-126-967-11		20% 50V			•	X60B/28FX60D/28FX60E/
366	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V				X60R/28FX60U)
			B/32FX60D/32FX60E/	L4308	1-408-609-41	INDUCTOR 33U	H
207	1 104 500 11	32FX60K/32FX60		- 4000	1 400 600 11	TAIDHAMAD AA	**
367	1-104-760-11	CERAMIC CHIP 0.047MF	10% 50V	L4309	1-408-609-41	INDUCTOR 33U	н
			B/32FX60D/32FX60E/		, m==	NOTOMOD >	
		32FX60K/32FX60	JK/ 32EX0UU)		< TRA	NSISTOR >	
260	1_164.004.11	CEDAMIC CUID A 1ME	100 2517	04304	0_700 016 00	<b>#DANGTG#∩D 2031160</b>	_c
369 370	1-164-004-11	CERAMIC CHIP 0.1MF ELECT 47MF	10% 25V 20% 50V	Q4304 Q4305		TRANSISTOR 2SA1162 TRANSISTOR 2SA2412	
370 371		CERAMIC CHIP 0.1MF	20% 50V 10% 25V	V4303	0-129-020-06		K-T-146-K X60B/28FX60D/28FX60E/
371 377	1-164-004-11		10% 25V 20% 50V				X60B/28FX60D/28FX60E/ X60R/28FX60U)
		CERAMIC CHIP 47PF	20% 50V 5% 50V	04306	0_700_600_06	Z8FX6UK/Z8F TRANSISTOR 2SA2412	
379	1-103-243-11	(KV-32FX60A/32FX60		Q4306	0-129-020-06		K-T-146-K "X60B/28FX60D/28FX60E/
		32FX60K/32FX60					X60R/28FX60U)
380	1-163-005-11	CERAMIC CHIP 470PF	10% 50V	Q4307	8-729-216-22	TRANSISTOR 2SA1162	-G
381	1-163-249-11	CERAMIC CHIP 82PF	5% 50V	Q4308	8-729-216-22	TRANSISTOR 2SA1162	-G
518	1-162-638-11	CERAMIC CHIP 1MF	16V	Q4309	8-729-216-22	TRANSISTOR 2SA1162	-G
				Q4310	8-729-216-22	TRANSISTOR 2SA1162	-G
	< CO1	NECTOR >		Q4315	1-801-806-11	TRANSISTOR DTC144E	KA-T146
	1-695-301-11	CONNECTOR, BOARD TO B	OARD 40P				
14101 14500 14502	1-564-511-11	PLUG, CONNECTOR 8P PIN, CONNECTOR 3P					



REF. NO.	PART.NO	DESCRIPTION	ON	REMARK		REF. NO.	PART.NO	DESCRI	PTION		REMARI	(
Q4316	8-729-620-06	TRANSISTOR 2	SC2412K-T-14	16-R		R4365	1-216-025-91	RES.CHIP	100	5%	1/10W	
Q1310	0 723 020 00			8FX60D/28FX60E/		R4366	1-216-025-91	,	100	5%	1/10W	
			OK/28FX60R/2			R4367	1-216-025-91	,	100	5%	1/10W	
	8-719-918-98	TRANSISTOR S		orkovo)		R4368	1-215-097-91		100K		1/10W	
	0-719-910-90			2FX60D/32FX60E/		K4300	1-215-097-91				28FX60D/28FX	60E/
												.001
		32170	0K/32FX60R/3	ZFX600)		D4000	1 016 072 00		FX60K/28FX			
04017	0 500 000 50		ma11.1mm			R4369	1-216-073-00		10K		1/10W	
Q4317	8-729-900-53										28FX60D/28FX	.60E/
Q4318	8-729-216-22	TRANSISTOR 2	SA1162-G					28	3FX60K/28F	(60R/	28FX60U)	
	< RES	SISTOR >				R4370	1-216-077-00		15K	5%	1/10W	
						R4371	1-216-069-00		6.8K		1/10W	
R4301	1-216-025-91		100 5%	1/10W		R4372	1-216-049-91		1K	5%	1/10W	
R4302	1-216-025-91	RES,CHIP	100 5%	1/10W		R4373	1-216-073-00	RES, CHIP	10K	5%	1/10W	
R4303	1-216-025-91	RES, CHIP	100 5%	1/10W		R4374	1-216-049-91	RES, CHIP	1K	<b>5</b> %	1/10W	
R4304	1-216-025-91	RES, CHIP	100 5%	1/10W								
R4305	1-216-025-91	RES, CHIP	100 5%	1/10W		R4375	1-216-049-91	RES, CHIP	1K	5%	1/10W	
					I	R4376	1-216-049-91		1K	5%	1/10W	
R4306	1-216-025-91	RES, CHIP	100 5%	1/10W		R4377	1-216-049-91		1K	5%	1/10W	
R4313	1-216-065-91		4.7K 5%	1/10W		R4378	1-216-101-00				1/10W	
R4314	1-216-057-00		2.2K 5%	1/10W		R4380	1-216-073-00		10K	5%	1/10W	
R4331	1-216-073-00	,	10K 5%	1/10W				,			-,	
R4332	1-216-073-00		10K 5%	1/10W		R4381	1-216-127-11	DEC CHID	1.8M	58	1/10W	
114332	1 210 075 00	NED, CHII	1011 50	1/10#		14301	1 210 127 11				32FX60D/32FX	60E/
R4333	1-216-073-00	DEC CUID	10K 5%	1/10W					FX60K/32FX			.006/
R4333				1/10W 1/10W		D4202	1 216 072 00		10K	5%	1/10W	
	1-216-025-91					R4382	1-216-073-00					
R4335	1-216-025-91		100 5%	1/10W		R4383	1-216-079-00		18K	5%	1/10W	
R4336	1-216-025-91		100 5%	1/10W							32FX60D/32FX	.60E/
R4337	1-216-025-91	RES, CHIP	100 5%	1/10W				32	?FX60K/32F	(60R/	32FX60U)	
R4339	1-216-049-91	RES, CHIP	1K 5%	1/10W		R4384	1-216-025-91	RES, CHIP	100	5%	1/10W	
R4340	1-216-111-00		390K 5%	1/10W		R4387	1-216-025-91		100	5%	1/10W	
R4341	1-216-295-91		0	_,		R4388	1-216-025-91		100	5%	1/10W	
R4343	1-216-025-91		100 5%	1/10W		R4389	1-216-025-91		100	5%	1/10W	
R4344	1-216-025-91		100 5%	1/10W	I	R4395	1-216-295-91	,	0		-,	
11311	1 210 023 31	ILLO, CIIII	100 50	1/10#		14333	1 210 233 31	DIIONI	v			
R4345	1-216-677-11			)% 1/10₩	I	R4396	1-216-295-91	SHORT	0			
R4346	1-216-683-11	METAL CHIP	22K 0.50	% 1/10₩		R4398	1-216-025-91	RES, CHIP	100	5%	1/10W	
R4347	1-216-025-91	RES,CHIP	100 5%	1/10W		R4401	1-216-105-91	RES, CHIP	220K	5%	1/10W	
R4348	1-216-025-91	RES, CHIP	100 5%	1/10W		R4402	1-216-129-00	RES, CHIP	2.2K	5%	1/10W	
R4350	1-216-025-91		100 5%	1/10W				(KV-28			28FX60D/28FX	60E/
		·							FX60K/28FX			·
R4354	1-216-675-11		10K 0.50									
R4358	1-216-071-00		8.2K 5%			R4403	1-216-073-00				1/10W	
R4359	1-216-041-00	RES,CHIP	470 5%	1/10W							28FX60D/28FX	60E/
R4360	1-216-057-00	RES, CHIP	2.2K 5%	1/10W				28	FX60K/28F	(60R/	28FX60U)	
		(KV-28FX6	0A/28FX60B/2	8FX60D/28FX60E/		R4404	1-216-073-00		10K			
		•	0K/28FX60R/2								28FX60D/28FX	60E/
	1-216-061-00		3.3K 5%	1/10W				•	FX60K/28F			
		,		2FX60D/32FX60E/						,	1	
			OK/32FX60R/3			R4405	1-216-087-91	RES.CHTP	39K	5%	1/10W	
		JLINO	, -== 110011/ -				2 220 007 51	,			28FX60D/28FX	60E/
R4361	1-216-133-00	מדער פעדם	3.3M 5%	1/10W					FX60K/28FX			.00E/
R4361		,	3.3M 5%	1/10W 1/10W		DAAAG	1_214_105 01		220K			
V4707	1-216-049-91					R4406	1-216-105-91				1/10W	COE /
		•		8FX60D/28FX60E/							28FX60D/28FX	.DUE/
			0K/28FX60R/2	•				28	BFX60K/28FX	(60R/	28FX60U)	
R4363	1-216-025-91	RES,CHIP	100 5%	1/10W								
						R4407	1-216-091-00	,			1/10W	
R4364	1-216-097-91		100K 5%	1/10W							28FX60D/28FX	:60E/
				8FX60D/28FX60E/				28	FX60K/28F	(60R/	28FX60U)	
		28FX6	0K/28FX60R/2	8FX60U)		R4504	1-216-295-91	SHORT	0		•	
				•								



D5404 8-719-991-33 DIODE 1SS133T-77

REF. NO.	PART.NO	DESCRIPT	TION	F	REMARK	REF. NO.	PART.NO	DESCRIPTION	ON		RE	MARK
R4505	1-216-295-91	SHORT	0			D5405	8-719-924-11	DIODE MTZJ-	r-77-22			
R4506	1-216-295-91	SHORT	0			D5406	8-719-924-11	DIODE MTZJ-	r-77-22			
4507	1-216-121-91		1M 5%	1/10	)W							
518	1-216-025-91	,	100 5%				< FEF	RITE BEAD >				
519	1-216-025-91		100 5%	1/10								
				_,		FB5400	1-410-397-21	FERRITE	1.10	JH		
520	1-216-295-91	SHORT	0			FB5401	1-410-396-41		0.45			
521	1-216-295-91		0									
522	1-216-295-91		Ö				< COI	T. >				
523	1-216-295-91		Ö				( 00.					
,	1 210 255 51	DHOM	v			L5400	1-410-784-41	INDUCTOR	0.18	BUH		
	< CR:	YSTAL >					< TRA	NSISTOR >				
300	1-767-127-11	VIBRATOR,	CERAMIC			25.400	0 000 110 00					
LALLES				LALLEL I		Q5400	8-729-119-78					
*****	******	******	*******	******	*******	Q5401	8-729-119-78					
			****			Q5402	8-729-119-78					
	*A-1644-094-A					Q5403	8-729-119-78					
		******	*****			Q5404	8-729-026-41	TRANSISTOR 2	2SA933A	S-QRT		
	4-382-854-11	SCREW (M3X	10), P. SW (-	+)		Q5405	8-729-026-41	TRANSISTOR 2	2SA933A9	S-ORT		
		1	11 -1 - 1 · 1	•		Q5406	8-729-017-05			~		
	< CA	PACITOR >				Q5407	8-729-017-06					
400	1-107-883-11	ELECT	330MF	20%	16V		< RES	ISTOR >				
101	1-126-935-11		470MF	20%	16V							
02	1-137-370-11		0.01MF	<b>5</b> %	50V	R5400	1-249-401-11	CARBON	47	5%	1/4W	
03	1-126-935-11		470MF	20%	6.3V	R5401	1-249-421-11		2.2K		1/4W	
05	1-126-933-11		100MF	20%	16V	R5402	1-249-413-11		470	5% 5%	1/4W	
05	1-120-933-11	EHECI	TOOME	20%	104	R5402	1-249-393-11		10	5%	1/4W	r
106	1-126-935-11	RI.RCT	470MF	20%	6.3V	R5404	1-249-417-11		1K	5%	1/4W	E
407	1-104-989-91		0.0022MF	20% 5%	200V	15404	1-249-417-11	CARDON	III	J.0	1/311	
108	1-104-989-91		0.0022MF	5%	200V 200V	R5405	1-249-425-11	CARRON	4.7K	5%	1/4W	
409	1-104-969-91		2.2MF	20%	250V 250V	R5405	1-249-425-11		4.7K		1/4W	
	1-107-649-11					R5406						
110	1-13/-364-11	FILM	0.001MF	5%	50V		1-249-399-11		33	5% E0	1/4W	
111	1 127 264 11	TITLY	0.001145	E0.	E O T	R5408	1-247-807-31		100	5% E0.	1/4W	
411	1-137-364-11		0.001MF	5%	50V	R5409	1-247-815-91	CARBON	220	5%	1/4W	
412	1-126-933-11		100MF	20%	16V	DE410	1 040 401 11	CARROW	477	Fo	4 / 40-	
113	1-126-933-11		100MF	20%	16V	R5410	1-249-401-11		47	5% = 0.	1/4W	
414	1-107-638-11		33MF	20%	160V	R5411	1-249-401-11		47	5% Fo	1/4W	
15	1-107-363-91	I.T.TW	0.0068MF	10%	200V	R5412	1-249-429-11		10K	5% Fo	1/4W	
41.0	1 100 100 00	OBD 147 -	100=	4.0.0	F.017	R5413	1-249-414-11		560	5% •°	1/4W	F
416	1-102-106-00		100PF	10%	50V	R5414	1-249-432-11	CARBON	18K	5%	1/4W	
119	1-101-880-00		47PF	5%	50V	25445	1 000 011 11	OLDDO"	20	<b>F</b> 0	1 /0	
130	1-162-117-00	CERAMIC	100PF	10%	500V	R5415	1-260-311-11		39	5% •°	1/2W	_
						R5416	1-249-383-11			5%	1/4W	F.
	< C01	NNECTOR >				R5417	1-249-432-11		18K		1/4W	
	:					R5418	1-249-414-11		560	5%	1/4W	
402	*1-568-878-51					R5419	1-249-421-11	CARBON	2.2K	5%	1/4W	
444	*1-770-723-11			ARD 8P								
5555	1-695-915-11					R5420	1-249-421-11		2.2K		1/4W	
5602	*1-568-881-51	PIN, CONNE	CTOR 6P			R5421	1-249-383-11		1.5	5%	1/4W	
						R5422	1-249-400-11		39	5%	1/4W	
	< DI(	ODE >				R5423 R5425	1-215-914-11		330		3W 1/4W	F
400	8-719-991-33	DIODE 1881	33T-77			K3425	1-249-419-11	CARBUN	1.5K	28	1/4W	
401	8-719-510-02											
402	8-719-991-33											
403	8-719-991-33											
100	0-719-991-33											





REF. NO.	PART.NO	DESCRIPTION		R	EMARK	REF. NO.	PART.NO	DESCRIPTION	F	EMARK
	*A-1646-170-A	H1 BOARD, (					*A-1651-100-A		28FX60D/	28FX60B/ 28FX60E/ /28FX60U/
	< CA	PACITOR >						32FX60A	/32FX60D,	/32FX60E/ /32FX60U)
C7900 C7901	1-101-810-00 1-101-810-00		100PF 100PF	5% 5%	500V 500V		*A-1651-104-A	J BOARD, COMPLETE (KV-		
C7925	1-137-372-11		0.022MF	5%	50V					
C7926	1-137-372-11		0.022MF	5%	50V		< CAF	PACITOR >		
	< COI	NNECTOR >				C8100	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V
						C8101		CERAMIC CHIP 0.47MF	10%	16V
CN7103	*1-564-514-11	PLUG, CONNE	ECTOR 11P			C8102	1-104-760-11	CERAMIC CHIP 0.047MF	10%	50V
						C8103	1-104-664-11		20%	16V
	< JA	CK >				C8104	1-126-934-11	ELECT 220MF	20%	16V
J7900	1-779-947-11	TERMINAL BI	LOCK, S			C8105	1-126-933-11	ELECT 100MF	20%	16V
J7925	1-764-606-11	JACK				C8106	1-126-933-11		20%	16V
						C8107	1-126-933-11		20%	16V
	< CO:	IL >				C8108	1-126-933-11		20%	16V
- 5005	1 414 100 41		4.0			C8109	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
L7925 L7926	1-414-183-41 1-414-183-41		10UH 10UH			00110	1 164 004 11	GEDANIC CUID A 1NE	100	0.537
L/920	1-414-183-41	INDUCTOR	100H			C8110 C8111	1-104-004-11	CERAMIC CHIP 0.1MF ELECT 100MF	10% 20%	25V 16V
	✓ DE	SISTOR >				C8125		CERAMIC CHIP 0.47MF	20% 10%	16V 16V
	\ 1\Di	DIDION >				C8126		CERAMIC CHIP 0.47MF	10%	16V
R7900	1-535-303-00	LEAD. JUMPE	ER (5.0MM)			C8127		CERAMIC CHIP 0.1MF	10%	25V
R7901	1-249-417-11	,	1K 5%	1/4W		****				
R7902	1-247-895-91	CARBON	470K 5%	1/4W		C8128	1-104-664-11	ELECT 47MF	20%	16V
R7903	1-247-895-91	CARBON	470K 5%	1/4W		C8129	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V
R7904	1-535-303-00	LEAD, JUMPE	ER (5.0MM)			C8130	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V
						C8131		CERAMIC CHIP 0.47MF	10%	16V
R7905 R7906	1-249-417-11 1-535-303-00		1K 5% ER (5.0MM)	1/4W		C8132	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V
						C8133	1-104-664-11	ELECT 47MF	20%	16V
******	******	******	******	******	*****	C8134	1-104-664-11		20%	16V
						C8135		CERAMIC CHIP 2.2MF		16V
	*A-1648-016-A	U BOARD, CO				C8136 C8137		CERAMIC CHIP 100PF CERAMIC CHIP 2.2MF	5%	50V 16V
						C0137	1-104-505-11	CERAMIC CHIP 2.2MF		101
	< CA	PACITOR >				C8138		CERAMIC CHIP 0.47MF	10%	16V
						C8139		CERAMIC CHIP 0.47MF	10%	16V
C7961	1-101-005-00		0.022MF		50V	C8140		CERAMIC CHIP 0.47MF	10%	16V
C7962	1-101-005-00	CERAMIC	0.022MF		50V	C8141 C8142		CERAMIC CHIP 0.47MF CERAMIC CHIP 0.47MF	10%	16V 16V
	< COI	NNECTOR >				C0142	1-107-625-11	CERAMIC CHIP 0.47MF	10%	101
						C8143	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V
CN7101	1-573-299-21			RD 10P		C8144	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V
CN7977	*1-564-519-11	,				C8145		CERAMIC CHIP 0.47MF	10%	16V
CN7988	*1-564-519-11					C8146		CERAMIC CHIP 100PF	5%	50V
CN7990	*1-564-518-11	PLUG, CONNE	ECTOR 3P			C8200	1-104-664-11	ELECT 47MF	20%	16V
	< JA	CK >				C8201	1-163-241-11	CERAMIC CHIP 39PF	5%	50V
						C8202	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
J7952	1-537-339-11	TERMINAL BO	DARD			C8203		CERAMIC CHIP 0.1MF	10%	25V
						C8204		CERAMIC CHIP 4.7MF		16V
	< CO:	IL >				C8205	1-165-319-11	CERAMIC CHIP 0.1MF		50V
L7954	1-402-711-11	INDUCTOR	OUH			C8208	1-164-506-11	CERAMIC CHIP 4.7MF		16V
L7956	1-402-711-11		OUH			C8209		CERAMIC CHIP 100PF	5%	50V
						C8210		CERAMIC CHIP 0.1MF	10%	25V

U	,	

1-161-243-11   CERMIC CHIP 4TPF	I I											
1-163-224-11   CERMIC CHIP 4787   58   507   CS222   1-164-102-11   CERMIC CHIP 1-0-10-10-10-10-10-10-10-10-10-10-10-10-	REF. NO.	PART.NO	DESCRIPTIO	N	RE	MARK	REF. NO.	PART.NO	DESCRIPTIO	N	Ri	EMARK
1-163-243-11   CRAMIC CRIP 4797   5257 507	C8211	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C8322	1-126-933-11	ELECT	100MF	20%	16V
1-163-087-00   CRAMIC CRIP 49F   0.259F 50V   CR324   1-164-094-11   CREAMIC CRIP 2.04F   109		1-163-243-11	CERAMIC CHIP	47PF	5%		I .	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
1-163-067-00   CREMIC CRIF 4PF   0.2597 50V   CREATE   CREATE CRIF 10-2247   104   104   105   104   105   104   105   104   105   104   105   104   105   104   105   104   105   104   105   104   105   104   105   104   105   104   105   104   105												25V
1-163-243-11   CERANIC CHIP 47PF   54   500   CR326   1-163-231-11   CERANIC CHIP 15PF   54   521   1-163-243-11   CERANIC CHIP 10-10MF   104   207   CR328   1-115-340-11   CERANIC CHIP 10-20MF   104   207   CR328   1-115-340-11   CRANIC CHIP 10-20MF   104   207   CR328   1-115-340-11   CRANIC CHIP 10-20MF   104   207   CR328   1-115-340-11   CRANIC CHIP 10-20MF   104   207   CR328   1-163-60-11   CRANIC CHIP 10-20MF   204   107   CR328   1-163-60-11   CRANIC CHIP 10-20MF   204   107   CR328   1-163-60-11   CRANIC CHIP 10-20MF   104   207   107   107   1												25V
2271 -1-64-004-11 CERAMIC CHIP 0.1MF 10% 25V CR328 1-15-340-11 CERAMIC CHIP 0.2MF 10% 23V CR330 1-163-231-11 CERAMIC CHIP 0.2MF 10% 25V CR330 1-163-231-11 CERAMIC CHIP 0.2MF 10% 25V CR330 1-163-231-11 CERAMIC CHIP 0.1MF 20% 10V CR331 1-128-960-11 ELECT 1MF 20% 15V CR332 1-163-00-10 CERAMIC CHIP 1.5MF 10% 25V CR344 1-163-173-00 CERAMIC CHIP 1.5MF 10% 25V CR344 1-163-173-00 CERAMIC CHIP 1.5MF 10% 25V CR344 1-163-173-00 CERAMIC CHIP 1.5MF 10% 25V CR343 1-126-963-11 ELECT 100MF 20% 15V (RV-3-20) 1.6MF 10% 10% 10% 10% 10% 10% 10% 10% 10% 10%												50V
1-164-004-11   CERAMIC CRIF 0.1MF	8216	1-126-933-11	ELECT	100MF	20%	16V	C8327	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
### 1-126-964-11 ELECT 10MF 20% 50V C830 1-115-340-11 CERANIC CRIF 0.2MF 10% 25% C830 1-126-964-11 ELECT 10MF 20% 50V C830 1-126-964-11 ELECT 47MF 20% 16V C830 1-126-964-11 ELECT 47MF 20% 16V C830 1-126-964-11 ELECT 47MF 20% 16V C820 1-163-095-11 CERANIC CRIP 0.001MF 10% 50V C820 1-163-095-11 CERANIC CRIP 0.001MF 10% 50V C820 1-163-095-11 CERANIC CRIP 0.001MF 10% 50V C8450 1-104-664-11 ELECT 47MF 20% 10% 20% 11-163-095-11 CERANIC CRIP 0.001MF 10% 50V C8450 1-104-664-11 ELECT 47MF 20% 10% 20% 11-164-004-11 CERANIC CRIP 0.001MF 10% 50V C8450 1-104-664-11 ELECT 47MF 20% 10% 20% 11-164-004-11 CERANIC CRIP 0.001MF 10% 50V C8450 1-104-664-11 ELECT 47MF 20% 10% 20% 11-164-004-11 CERANIC CRIP 0.001MF 10% 50V C8450 1-104-664-11 ELECT 47MF 20% 10% 20% 10							1					25V
							I .					25V
												50V
222 1-104-664-11 ELECT 47MF 20% 16V C8343 1-163-185-00 CERAMIC CHIP 150FF 5% (KV-3) 224 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8344 1-163-173-00 CERAMIC CHIP 47PF 5% (KV-3) 225 1-104-664-11 ELECT 47MF 20% 16V (KV-3) 226 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V C8345 1-126-933-11 ELECT 100MF 20% 17 (KV-3) 227 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V C8450 1-104-664-11 ELECT 47MF 20% 10% 11-163-009-11 CERAMIC CHIP 0.001MF 10% 50V C8451 1-104-664-11 ELECT 47MF 20% 10% 221 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V C8455 1-115-340-11 CERAMIC CHIP 0.2MF 10% 25V C8451 1-104-664-11 ELECT 47MF 20% 10% 222 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8455 1-115-340-11 CERAMIC CHIP 0.2MF 10% 25V C8451 1-104-664-11 ELECT 47MF 20% 10% 222 1-163-09-11 CERAMIC CHIP 0.47MF 10% 25V C8455 1-115-340-11 CERAMIC CHIP 0.2MF 10% 25V C8451 1-104-664-11 ELECT 47MF 20% 10% 222 1-104-664-11 ELECT 47MF 20% 10% 20% 10							i					50V
1-104-664-11   ELECT   47MF   20%   16V   C8343   1-163-185-00   CERAMIC CHIP 150PF   5%   18V   C8244   1-164-004-11   CERAMIC CHIP 0.1MF   10%   25V   C8344   1-163-173-00   CERAMIC CHIP 47PF   5%   18V   C8245   1-164-004-11   CERAMIC CHIP 0.001MF   10%   50V   C8345   1-126-933-11   ELECT   100MF   20%   16V   C8291   1-163-009-11   CERAMIC CHIP 0.001MF   10%   50V   C8450   1-104-664-11   ELECT   47MF   20%   16V   C8451   1-104-664-11   ELECT   47MF   20%   18221   1-163-009-11   CERAMIC CHIP 0.001MF   10%   50V   C8451   1-104-664-11   ELECT   47MF   20%   18221   1-163-009-11   CERAMIC CHIP 0.001MF   10%   50V   C8451   1-104-664-11   ELECT   47MF   20%   18221   1-164-004-11   CERAMIC CHIP 0.1MF   10%   25V   C8451   1-153-300-11   CERAMIC CHIP 0.2MF   10%   26V   C8451   1-153-300-11   CERAMIC CHIP 0.2MF   10%   26V   C8451   1-153-300-11   CERAMIC CHIP 0.2MF   10%   26V   C8451   1-163-009-11   CERAMIC CHIP 0.2MF   10%   16V   C8602   1-153-300-11   CERAMIC CHIP 0.2MF   10%   26V   C8602   1-153-300-11   CERAMIC CHIP 0.2MF   10%   26V   C8602   1-153-300-11   CERAMIC CHIP 0.2MF   10%   26V   C8606   1-153-300-11   CERAMIC CHIP 0.1MF   10%   26V   C8606   1-153-300-11   CERAMIC CHIP 0.1MF   10%   26V   C8606   1-153-300-11   CERAMIC CHIP 0.1MF   10%   26V   C8606   1-163-233-11   CERAM	8221	1-104-664-11	ELECT	47MF	20%	16V	C8332	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
1-104-664-11   ELECT   47MF   20%   16V   C8344   1-163-173-00   CERMIC CHIP 47PF   5%   1.04   664-11   ELECT   47MF   20%   16V   C8345   1-164-933-11   ELECT   100MF   20%   16V   (RV-3)   2228   1-163-009-11   CERMIC CHIP 0.00MF   10%   50V   C8450   1-104-664-11   ELECT   47MF   20%   16V   C8451   1-104-664-11   ELECT   47MF   20%   16V   C8451   1-104-664-11   ELECT   47MF   20%   16V   C8452   1-163-009-11   CERMIC CHIP 0.00MF   10%   50V   C8455   1-104-664-11   ELECT   47MF   20%   16V   C8455   1-15-340-11   CERMIC CHIP 0.22MF   10%   25V   C8455   1-15-340-11   CERMIC CHIP 0.22MF   10%   25V   C8455   1-15-340-11   CERMIC CHIP 0.22MF   10%   25V   25												50V
1-164-004-11   CERAMIC CHIP 0.1MF   10%   25V   C8344   1-163-173-00   CERAMIC CHIP 47PF   5%   5%   (KV-3)								3 212 200 70				-32FX60B)
8228 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V C8455 1-126-933-11 ELECT 100MF 20% 1 (KV-3 202) 1-163-009-11 CERAMIC CHIP 0.001MF 10% 50V C8450 1-104-664-11 ELECT 47MF 20% 1 20% 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							C8344	1-163-173-00	CERAMIC CHIP	47PF		50V
229   1-163-009-11   CERAMIC CHIP 0.001MF   10%   50V   C8450   1-104-664-11   ELECT   47MF   20%   1231   1-163-009-11   CERAMIC CHIP 0.01MF   10%   50V   C8451   1-104-664-11   ELECT   47MF   20%   128232   1-164-004-11   CERAMIC CHIP 0.1MF   10%   25V   C8455   1-115-340-11   CERAMIC CHIP 0.2MF   10%   25V   C8455   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28233   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8601   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28235   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8601   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28235   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8602   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28237   1-163-021-91   CERAMIC CHIP 0.2MF   10%   26606   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28237   1-163-021-91   CERAMIC CHIP 0.47MF   10%   16V   C8606   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28239   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8608   1-104-664-11   ELECT   47MF   20%   18220   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8608   1-104-664-11   ELECT   47MF   20%   18241   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8608   1-104-664-11   ELECT   47MF   20%   18241   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8609   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28241   1-104-664-11   ELECT   47MF   20%   16V   C8601   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28303   1-15-340-11   CERAMIC CHIP 0.2MF   10%   28303   1-15-400-11   CERAMIC CHIP 0.2MF   10%   28303   1-15-400-11   CERAMIC CHIP 0.2MF   10%   25V   C8613   1-104-664-11   ELECT   47MF   20%   10%   28303   1-15-340-11   CERAMIC CHIP 0.2MF   10%   25V   C8613   1-104-664-11   ELECT   47MF   20%   10%   28303   1-15-340-11   CERAMIC CHIP 0.1MF   10%   25V   C8613   1-104-664-11   ELECT   47MF   20%   10%   28303   1-15-340-11   CERAMIC CHIP 0.1MF   10%   25V   C8604   1-15-340-11   CERAMIC CHIP 0.1MF   10%   25V   C8700   1-163-021-91   CERAMIC CHIP 0.1MF   10%   25V   C8701   1-164-004-11   CERAMIC CHIP 0.1MF   10%   25V   C8701								3 200 270 00		3. <b>4.</b>		-32FX60B)
1-163-009-11   CERAMIC CHIP 0.001MF   10%   50V   C8450   1-104-664-11   ELECT   47MF   20%   1	8228	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	C8345	1-126-933-11	ELECT	100MF	20%	16V
1-163-009-11   CERAMIC CHIP 0.001MF   10%   50V   C8450   1-104-664-11   ELECT   47MF   20%   10%   2231   1-163-009-11   CERAMIC CHIP 0.1MF   10%   25V   C8455   1-115-340-11   CERAMIC CHIP 0.2MF   10%   2833   1-104-664-11   ELECT   47MF   20%   16V   C8456   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28234   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8601   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28235   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8601   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28235   1-107-823-11   CERAMIC CHIP 0.2MF   10%   20%   16V   C8602   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28237   1-163-021-91   CERAMIC CHIP 0.2MF   10%   50V   C8606   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28237   1-163-021-91   CERAMIC CHIP 0.2MF   10%   50V   C8606   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28238   1-107-823-11   CERAMIC CHIP 0.2MF   10%   16V   C8608   1-104-664-11   ELECT   47MF   20%   18239   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8609   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28240   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8609   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28241   1-104-664-11   ELECT   47MF   20%   16V   C8609   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28242   1-104-664-11   ELECT   47MF   20%   16V   C8601   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28242   1-104-664-11   ELECT   47MF   20%   16V   C8611   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28242   1-104-664-11   ELECT   47MF   20%   16V   C8611   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28242   1-104-664-11   ELECT   47MF   20%   16V   C8611   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28242   1-104-664-11   ELECT   47MF   20%   16V   C8611   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28242   1-104-664-11   ELECT   47MF   20%   16V   C8611   1-15-340-11   CERAMIC CHIP 0.2MF   10%   28242   1-104-664-11   ELECT   47MF   20%   16V   C8611   1-16-604-11   CERAMIC CHIP 0.1MF   10%   25V   C8611   1-16-604-11   CERAMIC CHIP 0.1MF   10%   25V   C8701   1-16-3-315-11   CERAM												-32FX60B)
231   1-163-009-11   CERAMIC CHIP 0.01MF   10%   50V   C8455   1-115-340-11   ELECT   47MF   20%   10%   25V   C8455   1-115-340-11   ERAMIC CHIP 0.22MF   10%   28234   1-107-823-11   ERAMIC CHIP 0.47MF   10%   16V   C8601   1-115-340-11   CERAMIC CHIP 0.22MF   10%   28235   1-107-823-11   ERAMIC CHIP 0.47MF   10%   16V   C8601   1-115-340-11   CERAMIC CHIP 0.22MF   10%   28235   1-107-823-11   ELECT   100MF   20%   16V   C8602   1-115-340-11   CERAMIC CHIP 0.22MF   10%   28237   1-163-021-91   CERAMIC CHIP 0.10MF   10%   50V   C8606   1-115-340-11   CERAMIC CHIP 0.22MF   10%   28237   1-163-021-91   CERAMIC CHIP 0.47MF   10%   16V   C8608   1-104-664-11   ELECT   47MF   20%   18239   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8608   1-104-664-11   ELECT   47MF   20%   18240   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8608   1-104-664-11   ELECT   47MF   20%   18241   1-126-964-11   ELECT   10MF   20%   50V   C8601   1-115-340-11   CERAMIC CHIP 0.22MF   10%   28242   1-104-664-11   ELECT   47MF   20%   16V   C8609   1-115-340-11   CERAMIC CHIP 0.22MF   10%   28242   1-104-664-11   ELECT   47MF   20%   16V   C8601   1-115-340-11   CERAMIC CHIP 0.22MF   10%   28242   1-104-664-11   ELECT   47MF   20%   16V   C8611   1-115-340-11   CERAMIC CHIP 0.22MF   10%   28242   1-104-664-11   ELECT   47MF   20%   16V   C8611   1-115-340-11   CERAMIC CHIP 0.22MF   10%   28242   1-104-664-11   ELECT   47MF   20%   16V   C8614   1-104-664-11   ELECT   47MF   20%   10%   20%							C8450	1-104-664-11	ELECT	47MF		16V
2023   1-164-004-11   CERAMIC CHIP 0.1MF   10%   25V   C8455   1-115-340-11   CERAMIC CHIP 0.2MF   10%   26   27   28   23   1-104-664-11   ELECT   47MF   20%   16V   C8601   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28   28   28   28   1-107-823-11   CERAMIC CHIP 0.4MF   10%   16V   C8602   1-115-340-11   CERAMIC CHIP 0.2MF   10%   28   28   28   28   28   28   28   2							1					16V
1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8601   1-115-340-11   CERAMIC CHIP 0.22MF   10%   2285   1-126-933-11   ELECT   100MF   20%   16V   C8605   1-115-340-11   CERAMIC CHIP 0.22MF   10%   2287   1-163-021-91   CERAMIC CHIP 0.10MF   10%   50V   C8606   1-115-340-11   CERAMIC CHIP 0.22MF   10%   228823   1-163-021-91   CERAMIC CHIP 0.10MF   10%   50V   C8606   1-115-340-11   CERAMIC CHIP 0.22MF   10%   22893   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8607   1-104-664-11   ELECT   47MF   20%   128239   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8608   1-115-340-11   CERAMIC CHIP 0.22MF   10%   228230   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8609   1-115-340-11   CERAMIC CHIP 0.22MF   10%   228242   1-104-664-11   ELECT   10MF   20%   50V   C8610   1-115-340-11   CERAMIC CHIP 0.22MF   10%   228242   1-104-664-11   ELECT   47MF   20%   16V   C8611   1-115-340-11   CERAMIC CHIP 0.22MF   10%   228242   1-104-664-11   ELECT   47MF   20%   16V   C8611   1-115-340-11   CERAMIC CHIP 0.22MF   10%   228300   1-164-004-11   CERAMIC CHIP 0.12MF   10%   25V   C8612   1-115-340-11   CERAMIC CHIP 0.22MF   10%   23800   1-164-004-11   CERAMIC CHIP 0.1MF   10%   25V   C8613   1-104-664-11   ELECT   47MF   20%   138001   1-164-004-11   CERAMIC CHIP 0.1MF   10%   25V   C8700   1-126-964-11   ELECT   47MF   20%   138001   1-164-004-11   CERAMIC CHIP 0.1MF   10%   25V   C8701   1-104-664-11   ELECT   47MF   20%   138001   1-164-004-11   CERAMIC CHIP 0.1MF   10%   25V   C8701   1-163-021-91   CERAMIC												25V
1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8601   1-115-340-11   CERAMIC CHIP 0.22MF   10%   2285   1-126-933-11   ELECT   100MF   20%   16V   C8605   1-115-340-11   CERAMIC CHIP 0.22MF   10%   2287   1-163-021-91   CERAMIC CHIP 0.10MF   10%   50V   C8606   1-115-340-11   CERAMIC CHIP 0.22MF   10%   228823   1-163-021-91   CERAMIC CHIP 0.10MF   10%   50V   C8606   1-115-340-11   CERAMIC CHIP 0.22MF   10%   22893   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8607   1-104-664-11   ELECT   47MF   20%   128239   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8608   1-115-340-11   CERAMIC CHIP 0.22MF   10%   228230   1-107-823-11   CERAMIC CHIP 0.47MF   10%   16V   C8609   1-115-340-11   CERAMIC CHIP 0.22MF   10%   228242   1-104-664-11   ELECT   10MF   20%   50V   C8610   1-115-340-11   CERAMIC CHIP 0.22MF   10%   228242   1-104-664-11   ELECT   47MF   20%   16V   C8611   1-115-340-11   CERAMIC CHIP 0.22MF   10%   228242   1-104-664-11   ELECT   47MF   20%   16V   C8611   1-115-340-11   CERAMIC CHIP 0.22MF   10%   228300   1-164-004-11   CERAMIC CHIP 0.12MF   10%   25V   C8612   1-115-340-11   CERAMIC CHIP 0.22MF   10%   23800   1-164-004-11   CERAMIC CHIP 0.1MF   10%   25V   C8613   1-104-664-11   ELECT   47MF   20%   138001   1-164-004-11   CERAMIC CHIP 0.1MF   10%   25V   C8700   1-126-964-11   ELECT   47MF   20%   138001   1-164-004-11   CERAMIC CHIP 0.1MF   10%   25V   C8701   1-104-664-11   ELECT   47MF   20%   138001   1-164-004-11   CERAMIC CHIP 0.1MF   10%   25V   C8701   1-163-021-91   CERAMIC	8233	1-104-664-11	ELECT	47MF	20%	16V	C8456	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
1-126-933-11   ELECT	8234	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	C8601	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
1-126-933-11   ELECT		1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	C8602	1-115-340-11	CERAMIC CHIP	0.22MF		25V
1-163-021-91   CERAMIC CHIP 0.01MF   10% 50V   C8606   1-115-340-11   CERAMIC CHIP 0.22MF   10% 28 29		1-126-933-11	ELECT	100MF	20%	16V	C8605	1-115-340-11	CERAMIC CHIP	0.22MF		25V
1-107-823-11   CERAMIC CHIP   0.47MF   10%   16V   C8608   1-104-664-11   ELECT   47MF   20%   10%   20%   50V   C8610   1-115-340-11   CERAMIC CHIP   0.22MF   10%   20%   20%   16V   C8610   1-115-340-11   CERAMIC CHIP   0.22MF   10%   20%   20%   16V   C8610   1-115-340-11   CERAMIC CHIP   0.22MF   10%   20%   20%   20%   16V   C8611   1-115-340-11   CERAMIC CHIP   0.22MF   10%   20%		1-163-021-91	CERAMIC CHIP					1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
1-107-823-11 CERAMIC CHIP 0.47MF 10% 16V C8609 1-115-340-11 CERAMIC CHIP 0.22MF 10% 288241 1-126-964-11 ELECT 10MF 20% 50V C8610 1-115-340-11 CERAMIC CHIP 0.22MF 10% 288242 1-104-664-11 ELECT 47MF 20% 16V C8611 1-115-340-11 CERAMIC CHIP 0.22MF 10% 288300 1-115-340-11 CERAMIC CHIP 0.22MF 10% 25V C8612 1-115-340-11 CERAMIC CHIP 0.22MF 10% 288301 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8613 1-104-664-11 ELECT 47MF 20% 188302 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8614 1-104-664-11 ELECT 47MF 20% 188303 1-115-340-11 CERAMIC CHIP 0.22MF 10% 25V C8700 1-126-964-11 ELECT 47MF 20% 188304 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8701 1-104-664-11 ELECT 47MF 20% 188304 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8701 1-104-664-11 ELECT 47MF 20% 188305 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8701 1-104-664-11 ELECT 47MF 20% 188305 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8703 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8703 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8703 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8704 1-163-021-91 CERAMIC CHIP 0.1MF 10% 288308 1-126-933-11 ELECT 100MF 20% 16V C8705 1-163-021-91 CERAMIC CHIP 0.1MF 10% 25V C8706 1-163-021-91 CERAMIC CHIP 0.1MF 10% 25V C8706 1-163-235-11 CERAMIC CHIP 0.1MF 10% 25V C8708 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-933-11 ELECT 10MF 20% 18313 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-933-11 ELECT 10MF 20% 18313 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-933-11 ELECT 10MF 20% 18313 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-933-11 ELECT 10MF 20% 18313 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-163-251-11 CERAMIC CHIP 0.047MF 10% 18313 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-251-11 CERAMIC CHIP 0.047MF 10% 18313 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8903 1-163-251-11 CERAMIC CHIP 0.047MF	8238	1-164-505-11	CERAMIC CHIP	2.2MF		16V	C8607	1-104-664-11	ELECT	47MF	20%	16V
1-126-964-11   ELECT   10MF   20%   50V   C8610   1-115-340-11   CERAMIC CHIP 0.22MF   10%   28   28   24   1-104-664-11   ELECT   47MF   20%   16V   C8611   1-115-340-11   CERAMIC CHIP 0.22MF   10%   28   28   28   28   28   28   28   2		1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	C8608	1-104-664-11	ELECT	47MF	20%	16V
8242 1-104-664-11 ELECT 47MF 20% 16V C8611 1-115-340-11 CERAMIC CHIP 0.22MF 10% 25V C8613 1-104-664-11 ELECT 47MF 20% 18301 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8613 1-104-664-11 ELECT 47MF 20% 18303 1-115-340-11 CERAMIC CHIP 0.1MF 10% 25V C8614 1-104-664-11 ELECT 47MF 20% 18303 1-115-340-11 CERAMIC CHIP 0.1MF 10% 25V C8700 1-126-964-11 ELECT 10MF 20% 18304 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8701 1-104-664-11 ELECT 10MF 20% 18305 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8701 1-104-664-11 ELECT 47MF 20% 18305 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8702 1-163-133-00 CERAMIC CHIP 470PF 5% 18306 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8703 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8703 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8704 1-163-021-91 CERAMIC CHIP 0.1MF 10% 18308 1-126-933-11 ELECT 100MF 20% 16V C8705 1-163-021-91 CERAMIC CHIP 0.01MF 10% 18310 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8706 1-163-235-11 CERAMIC CHIP 22PF 5% 18311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8706 1-163-235-11 CERAMIC CHIP 22PF 5% 18312 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8707 1-163-235-11 CERAMIC CHIP 22PF 5% 18311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8708 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-933-11 ELECT 100MF 20% 18313 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-933-11 ELECT 100MF 20% 18311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-933-11 ELECT 100MF 20% 18311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-933-11 ELECT 100MF 20% 18311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-933-11 ELECT 100MF 20% 18311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-163-021-01 CERAMIC CHIP 0.0047MF 10% 18311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-933-11 ELECT 100MF 20% 18311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-163-021-01 CERAMIC CHIP 0.0047MF 10% 18311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-021-11 CERAMIC CHIP 0.0047MF 10% 18311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-021-11 CERAMIC CHIP 0.0047MF 10% 18311 1-164-004-11 CERAMI	8240	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	C8609	1-115-340-11			10%	25V
8300 1-115-340-11 CERAMIC CHIP 0.22MF 10% 25V C8612 1-115-340-11 CERAMIC CHIP 0.22MF 10% 25V C8613 1-104-664-11 ELECT 47MF 20% 120 1164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8613 1-104-664-11 ELECT 47MF 20% 120 120 120 120 120 120 120 120 120 120	8241	1-126-964-11	ELECT	10MF	20%	50V	C8610	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8613   1-104-664-11   ELECT   47MF   20% 15	8242	1-104-664-11	ELECT	47MF	20%	16V	C8611	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8614   1-104-664-11   ELECT   47MF   20% 18303   1-115-340-11   CERAMIC CHIP 0.2MF   10% 25V   C8700   1-126-964-11   ELECT   10MF   20% 18304   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8701   1-104-664-11   ELECT   47MF   20% 18305   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8701   1-104-664-11   ELECT   47MF   20% 18306   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8703   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8704   1-163-021-91   CERAMIC CHIP 0.1MF   10% 25V   C8704   1-163-021-91   CERAMIC CHIP 0.1MF   10% 25V   C8705   1-163-021-91   CERAMIC CHIP 0.1MF   10% 25V   C8706   1-163-021-91   CERAMIC CHIP 0.1MF   10% 25V   C8706   1-163-235-11   CERAMIC CHIP 22PF   5% 28312   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8706   1-163-235-11   CERAMIC CHIP 22PF   5% 28312   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8708   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8709   1-126-933-11   ELECT   10MF 20% 28313   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8701   1-126-933-11   ELECT   10MF 20% 28314   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8709   1-126-933-11   ELECT   10MF 20% 28315   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8900   1-163-251-11   CERAMIC CHIP 0.0047MF   10% 25V   C8900   1-163-251-11   CERAMIC CHIP 0.0047MF   10% 25V   C8901   1-163-017-00   CERAMIC CHIP 0.0047MF   10% 25V   C8902   1-163-017-00   CERAMIC CHIP 0.0047MF   10% 25V   C8903   1-163-251-11   CERAMIC CHIP 0.0047MF   10% 25V   C8904   1-163-251-1		1-115-340-11	CERAMIC CHIP	0.22MF			1	1-115-340-11	CERAMIC CHIP	0.22MF		25V
8303 1-115-340-11 CERAMIC CHIP 0.22MF 10% 25V C8700 1-126-964-11 ELECT 10MF 20% 58304 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8701 1-104-664-11 ELECT 47MF 20% 1 8305 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8702 1-163-133-00 CERAMIC CHIP 470PF 5% 58306 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8703 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8704 1-163-021-91 CERAMIC CHIP 0.1MF 10% 58308 1-126-933-11 ELECT 100MF 20% 16V C8705 1-163-021-91 CERAMIC CHIP 0.1MF 10% 58310 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8706 1-163-235-11 CERAMIC CHIP 22PF 5% 58311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8706 1-163-235-11 CERAMIC CHIP 22PF 5% 58311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8708 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-964-11 ELECT 10MF 20% 58313 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-964-11 ELECT 10MF 20% 58314 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-964-11 ELECT 10MF 20% 58315 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-251-11 CERAMIC CHIP 100PF 5% 58316 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-251-11 CERAMIC CHIP 100PF 5% 58318 1-126-933-11 ELECT 100MF 20% 16V C8903 1-163-251-11 CERAMIC CHIP 0.0047MF 10% 58318 1-126-933-11 ELECT 100MF 20% 16V C8903 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100							C8613				20%	16V
8304 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8701 1-104-664-11 ELECT 47MF 20% 3805 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8702 1-163-133-00 CERAMIC CHIP 470PF 5% 5806 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8703 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8704 1-163-021-91 CERAMIC CHIP 0.1MF 10% 25V C8705 1-163-021-91 CERAMIC CHIP 0.0MF 10% 25V C8705 1-163-021-91 CERAMIC CHIP 0.0MF 10% 25V C8706 1-163-021-91 CERAMIC CHIP 0.0MF 10% 25V C8706 1-163-235-11 CERAMIC CHIP 0.0MF 10% 25V C8706 1-163-235-11 CERAMIC CHIP 22PF 5% 28311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8707 1-163-235-11 CERAMIC CHIP 22PF 5% 28312 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8708 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8708 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8708 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-964-11 ELECT 10MF 20% 28314 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-933-11 ELECT 10MF 20% 28314 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8710 1-126-933-11 ELECT 10MF 20% 28315 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-251-11 CERAMIC CHIP 100PF 5% 28315 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-251-11 CERAMIC CHIP 100PF 5% 28316 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-251-11 CERAMIC CHIP 0.0047MF 10% 25V C8901 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 25V C8902 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 25V C8903 1-163-251-11 CERAMIC CHIP 0.0047MF 10% 25V C8903 1-163-251-11 CERAMIC CHIP 0.0047MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 28319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 25V C8904 1-1					10%	25V	C8614			47MF	20%	16V
8305 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8702 1-163-133-00 CERAMIC CHIP 470PF 5% 58 58 58 58 58 58 58 58 58 58 58 58 58												50V
8306 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8703 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8704 1-163-021-91 CERAMIC CHIP 0.1MF 10% 25V C8705 1-163-021-91 CERAMIC CHIP 0.01MF 10% 25V C8706 1-163-021-91 CERAMIC CHIP 0.01MF 10% 25V C8706 1-163-235-11 CERAMIC CHIP 0.01MF 10% 25V C8706 1-163-235-11 CERAMIC CHIP 22PF 5% 25V C8707 1-163-235-11 CERAMIC CHIP 22PF 5% 25V C8708 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8708 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8708 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-964-11 ELECT 10MF 20% 25V C8709 1-126-964-11 ELECT 10MF 20% 25V C8709 1-126-933-11 ELECT 10MF 20% 25V C8710 1-126-933-11 ELECT 10MF 20% 25V C8710 1-163-251-11 CERAMIC CHIP 10PF 5% 25V C8900 1-163-251-11 CERAMIC CHIP 10PF 5% 25V C8900 1-163-251-11 CERAMIC CHIP 0.0047MF 10% 25V C8900 1-163-251-11 CERAMIC CHIP 0.0047MF 10% 25V C8901 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 25V C8901 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 25V C8901 1-163-251-11 CERAMIC CHIP 0.0047MF 10% 25V C8901 1-163-251-11 CERAMIC CHIP 0.0047MF 10% 25V C8902 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 25V C8903 1-163-251-11 CERAMIC CHIP 100PF 5% 25V C8903 1-163-251-11 CERAMIC CHIP 100PF 5% 25V C8904 1-163-25	8304	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C8701	1-104-664-11	ELECT	47MF	20%	16V
8307 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8704 1-163-021-91 CERAMIC CHIP 0.01MF 10% 58308 1-126-933-11 ELECT 100MF 20% 16V C8705 1-163-021-91 CERAMIC CHIP 0.01MF 10% 58310 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8706 1-163-235-11 CERAMIC CHIP 22PF 5% 58311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8707 1-163-235-11 CERAMIC CHIP 22PF 5% 58312 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8708 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-964-11 ELECT 10MF 20% 58314 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8710 1-126-933-11 ELECT 10MF 20% 58315 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-251-11 CERAMIC CHIP 100PF 5% 58316 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-251-11 CERAMIC CHIP 0.0047MF 10% 58317 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8901 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 58318 1-126-933-11 ELECT 100MF 20% 16V C8903 1-163-251-11 CERAMIC CHIP 100PF 5% 58318 1-126-933-11 ELECT 100MF 20% 16V C8903 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58 58 58 58 58 58 58 58 58 58 58 58 58							1					50V
8308 1-126-933-11 ELECT 100MF 20% 16V C8705 1-163-021-91 CERAMIC CHIP 0.01MF 10% 58 8310 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8706 1-163-235-11 CERAMIC CHIP 22PF 5% 58 8311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8707 1-163-235-11 CERAMIC CHIP 22PF 5% 58 8312 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8708 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-964-11 ELECT 10MF 20% 58 8314 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8710 1-126-933-11 ELECT 100MF 20% 58 8315 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-251-11 CERAMIC CHIP 100PF 5% 58 8316 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8901 1-163-017-00 CERAMIC CHIP 100PF 5% 58 8317 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8902 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 58 8318 1-126-933-11 ELECT 100MF 20% 16V C8903 1-163-251-11 CERAMIC CHIP 100PF 5% 58 8319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58							1					25V
8310 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8706 1-163-235-11 CERAMIC CHIP 22PF 5% 58 8311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8707 1-163-235-11 CERAMIC CHIP 22PF 5% 58 8312 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8708 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V 8313 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-964-11 ELECT 10MF 20% 58 8314 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8710 1-126-933-11 ELECT 100MF 20% 18 8315 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-251-11 CERAMIC CHIP 100PF 5% 58 8316 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8901 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 58 8317 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8902 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 58 8318 1-126-933-11 ELECT 100MF 20% 16V C8903 1-163-251-11 CERAMIC CHIP 100PF 5% 58 8319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58												50V
8311 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8707 1-163-235-11 CERAMIC CHIP 22PF 5% 58 8312 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8708 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V 8313 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-964-11 ELECT 10MF 20% 58 8314 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8710 1-126-933-11 ELECT 100MF 20% 18 8315 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-251-11 CERAMIC CHIP 100PF 5% 58 8316 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8901 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 58 8317 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8902 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 58 8318 1-126-933-11 ELECT 100MF 20% 16V C8903 1-163-251-11 CERAMIC CHIP 100PF 5% 58 8319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58												50V
8312 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8708 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-964-11 ELECT 10MF 20% 58314 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8709 1-126-933-11 ELECT 10MF 20% 100 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-251-11 CERAMIC CHIP 100PF 5% 58315 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-251-11 CERAMIC CHIP 100PF 5% 58317 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8902 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 58318 1-126-933-11 ELECT 100MF 20% 16V C8903 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 10% 10% 10% 10% 10% 10% 10% 10% 10% 10%	8310	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C8706	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8709   1-126-964-11   ELECT   10MF   20% 18314   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8710   1-126-933-11   ELECT   100MF   20% 18315   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8900   1-163-251-11   CERAMIC CHIP 100PF   5% 18316   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8901   1-163-017-00   CERAMIC CHIP 0.0047MF   10% 18317   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8902   1-163-017-00   CERAMIC CHIP 0.0047MF   10% 18318   1-126-933-11   ELECT   100MF   20% 16V   C8903   1-163-251-11   CERAMIC CHIP 100PF   5% 18319   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8904   1-163-251-11   CERAMIC CHIP 100PF   5% 18319   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8904   1-163-251-11   CERAMIC CHIP 100PF   5% 18319   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8904   1-163-251-11   CERAMIC CHIP 100PF   5% 18319   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8904   1-163-251-11   CERAMIC CHIP 100PF   5% 18319   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8904   1-163-251-11   CERAMIC CHIP 100PF   5% 18319   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8904   1-163-251-11   CERAMIC CHIP 100PF   5% 18319   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8904   1-163-251-11   CERAMIC CHIP 100PF   5% 18319   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8904   1-163-251-11   CERAMIC CHIP 100PF   5% 18319   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8904   1-163-251-11   CERAMIC CHIP 100PF   5% 18319   1-164-004-11   CERAMIC CHIP 0.1MF   10% 25V   C8904   1-163-251-11   CERAMIC CHIP 0.1MF   10% 18319   1-164-004-11   10% 18319   1-164-004-11   10% 18319   1-164-004-11   10% 18319   10%							1					50V
8314 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8710 1-126-933-11 ELECT 100MF 20% 18315 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-251-11 CERAMIC CHIP 100PF 5% 58 18316 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8901 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 25V C8902 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 25V C8903 1-163-251-11 CERAMIC CHIP 0.0047MF 10% 25X C8903 1-163-251-11 CERAMIC CHIP 0.0047MF 10% 25X C8903 1-163-251-11 CERAMIC CHIP 100PF 5% 25X C8904 1-163-251-11 CERAMIC CHIP 100PF												25V
8315 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8900 1-163-251-11 CERAMIC CHIP 100PF 5% 58 8316 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8901 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 58 8317 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8902 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 58 8318 1-126-933-11 ELECT 100MF 20% 16V C8903 1-163-251-11 CERAMIC CHIP 100PF 5% 58 8319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58							1					50V
8316 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8901 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 58317 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8902 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 58318 1-126-933-11 ELECT 100MF 20% 16V C8903 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58												16V
8317 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8902 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 58318 1-126-933-11 ELECT 100MF 20% 16V C8903 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 58	8315	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C8900	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
8318 1-126-933-11 ELECT 100MF 20% 16V C8903 1-163-251-11 CERAMIC CHIP 100PF 5% 58319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 5	8316	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C8901	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
8319 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8904 1-163-251-11 CERAMIC CHIP 100PF 5% 5	8317	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C8902	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
	8318	1-126-933-11	ELECT	100MF	20%	16V	C8903	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
28320 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8905 1-163-251-11 CERAMIC CHIP 100PF 5% 5		1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C8904	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
					10%	25V					5%	50V
18321 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C8906 1-163-017-00 CERAMIC CHIP 0.0047MF 10% 5	8321	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C8906	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V

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REF. NO.	PART.NO	DESCRIPTION	R	EMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK	
C8907	1-163-017-00	CERAMIC CHIP 0.0047MF	10%	50V	D8919	8-719-914-43	DIODE DAN202K-T-146		
C8908		CERAMIC CHIP 100PF	5%	50V	D8920		DIODE DAN202K-T-146		
C8909		CERAMIC CHIP 0.0047MF	ეგ 10%	50V	D8921		DIODE UDZ-TE-17-5.1B		
		CERAMIC CHIP 0.004/MF					DIODE UDZ-TE-17-3.1B		
C8910		CERAMIC CHIP 100PF	5%	50V	D8922				
C8911	1-163-017-00	CERAMIC CHIP U.UU4/MF	10%	50V	D8923	8-/19-9/8-04	DIODE DTZ-TT11-3.3B		
C8916	1-126-933-11		20%	16V		< FII	TER >		
C8977		CERAMIC CHIP 0.001MF	10%	50V					
C8978	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V	FL8200	1-236-071-11	ENCAPSULATED COMPONENT		
					FL8201	1-233-764-21	FILTER		
	< FI]	LTER >			FL8203	1-236-071-11	ENCAPSULATED COMPONENT		
					FL8300		ENCAPSULATED COMPONENT		
CF8200	1-409-327-00	TRAP, CERAMIC (6.5MHZ)			FL8301	1-236-071-11	ENCAPSULATED COMPONENT		
	< 001	NNECTOR >			FL8700	1-236-071-11	ENCAPSULATED COMPONENT		
	, 00.				FL8701		ENCAPSULATED COMPONENT		
CN8101	1-695-302-11	CONNECTOR, BOARD TO BOA	ARD 50P		1 -20,02				
CN8102		PLUG, CONNECTOR 3P				< IC	>		
CN8102		SOCKET, PIN 21P				\ 1C	•		
CN8901	1-695-293-11				IC8100	8-759-352-04	IC TDA7309D013TR		
CN8902	1-695-293-11				IC8101	8-759-085-34			
JH0302	1 033-233-11	DOOMET ETE			IC8101	8-759-351-01			
	∠ DT(	ODE >			IC8151		IC CXA1875AM-T4		
	\ D10	ODE /			IC8200		IC MSP3410D-QA-B4		
D8125	0_710_150_40	DIODE RD12SB2			100200	0-739-344-10	IC MSES410D-QW-D4		
D8125		DIODE RD12SB2			IC8201	0 750 701 26	IC NJM3403AM		
D8127		DIODE RD12SB2			IC8201				
						8-759-908-15			
D8128		DIODE RD12SB2			IC8300		IC TDA9320H-N1-518		
D8129	0-/19-130-49	DIODE RD12SB2			IC8451 IC8601	8-759-544-24	IC MC14052BDR2 IC LF90CDT		
D8130	8-719-158-49	DIODE RD12SB2							
D8131	8-719-158-49	DIODE RD12SB2			IC8602	8-759-544-23	IC LF80CDT		
D8132	8-719-158-49	DIODE RD12SB2			IC8603	8-759-544-22	IC LF50CDT		
D8200	8-719-158-49	DIODE RD12SB2			IC8604	8-759-544-22	IC LF50CDT		
D8201	8-719-158-49	DIODE RD12SB2			IC8700	8-752-074-78	IC CXD2057M		
D8202	8-719-158-49	DIODE RD12SB2				< JAC	X >		
D8203	8-719-158-49	DIODE RD12SB2							
D8349	8-719-914-42	DIODE DA204K			Ј8901	1-774-747-11	JACK BLOCK, PIN		
D8450	8-719-158-49	DIODE RD12SB2					,		
D8451		DIODE RD12SB2				< COI	IL >		
D8900	8-719-056-85	DIODE UDZ-TE-17-8.2B			L8150	1-414-757-11	INDUCTOR 100UH		
D8901		DIODE UDZ-TE-17-8.2B			L8200		INDUCTOR CHIP 10UH		
D8902		DIODE UDZ-TE-17-8.2B			L8201		INDUCTOR CHIP 100H		
D8903		DIODE UDZ-TE-17-8.2B			L8343	1-412-004-11		(KV-32FX60B)	
D8904		DIODE UDZ-TE-17-8.2B			10343	1 410-453-11	TWDOCTOW 330U	(TVA -DEEVOOD)	
20703	0 113-030-03	5105E 056-1E-17-0.25				< TRA	ANSISTOR >		
D8905	8-719-056-85	DIODE UDZ-TE-17-8.2B							
D8906	8-719-056-85	DIODE UDZ-TE-17-8.2B			Q8100	8-729-620-06	TRANSISTOR 2SC3052-EF		
D8907	8-719-056-85	DIODE UDZ-TE-17-8.2B			Q8101	8-729-620-06	TRANSISTOR 2SC3052-EF		
D8908		DIODE UDZ-TE-17-8.2B			Q8156	8-729-620-06	TRANSISTOR 2SC3052-EF		
D8909		DIODE UDZ-TE-17-8.2B			Q8157		TRANSISTOR 2SC3052-EF		
					Q8200		TRANSISTOR 2SC3052-EF		
D8910	8-719-056-85	DIODE UDZ-TE-17-8.2B							
D8911		DIODE UDZ-TE-17-8.2B			Q8201	8-729-620-06	TRANSISTOR 2SC3052-EF		
D8912	8-719-158-49	DIODE RD12SB2			Q8202	8-729-620-06	TRANSISTOR 2SC3052-EF		
D8913	8-719-158-49	DIODE RD12SB2			Q8301	8-729-038-96	TRANSISTOR IMZ1A-T109		
D8914	8-719-158-49	DIODE RD12SB2			Q8303	8-729-620-06	TRANSISTOR 2SC3052-EF		
					Q8304	8-729-620-06	TRANSISTOR 2SC3052-EF		
D8915	8-719-158-49	DIODE RD12SB2							
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REF. NO.	PART.NO	DESCRIPTI	ION		REMARK	REF. NO.	PART.NO	DESCRIPTION	ON		REMARK
Q8305	8-729-620-06	TRANSTSTOR	2503052-	FF		R8201	1-216-295-91	CHORT	0		
Q8306	8-729-620-06					R8202	1-216-021-00		68	5%	1/10W
Q8307	8-729-620-06					R8203	1-216-069-00		6.8K		1/10W
Q8308	8-729-038-96					R8204	1-216-069-00			5%	
									1K		1/10W
Q8309	8-729-038-96	TRANSISTOR	IMZIA-TI	.09		R8205	1-216-069-00	RES, CHIP	6.8K	58	1/10W
Q8310	8-729-038-96	TRANSISTOR	IMZ1A-T1	.09		R8206	1-216-049-91	RES, CHIP	1K	5%	1/10W
Q8311	8-729-620-06	TRANSISTOR	2SC3052-	EF		R8208	1-216-037-00	RES, CHIP	330	5%	1/10W
Q8343	8-729-620-06	TRANSISTOR	2SC3052-	EF	(KV-32FX60B)	R8209	1-216-659-11		2.2K	0.50%	1/10W
Q8450	8-729-216-22	TRANSISTOR	2SA1162-	·G		R8210	1-216-025-91	RES, CHIP	100	5%	1/10W
Q8453	8-729-216-22					R8211	1-216-295-91		0		
Q8456	8-729-620-06	TRANSISTOR	2503052-	EF		R8212	1-216-295-91	SHORT	0		
Q8459	8-729-216-22					R8213	1-216-295-91		0		
						R8214	1-216-295-91		0		
Q8461	8-729-216-22 8-729-620-06									E0	1 /1 0₩
Q8700						R8216	1-216-025-91		100	5% E%	1/10W
Q8900	8-729-620-06	TRANSISTOR	2SC3052-	EF		R8217	1-216-025-91	RES, CHIP	100	5%	1/10W
Q8901	8-729-620-06	TRANSISTOR	2SC3052-	EF		R8223	1-216-089-91		47K	5%	1/10W
Q8903	8-729-620-06	TRANSISTOR	2SC3052-	EF		R8224	1-216-089-91		47K	5%	1/10W
						R8225	1-216-089-91		47K	5%	1/10W
	< RES	SISTOR >				R8226	1-216-089-91		47K	5%	1/10W
						R8227	1-216-089-91		47K	5%	1/10W
R8100	1-216-025-91	RES, CHIP	100	5%	1/10W			•			
R8101	1-216-025-91			5%	1/10W	R8228	1-216-089-91	RES, CHIP	47K	5%	1/10W
R8102	1-216-295-91		0		•	R8229	1-216-295-91		0		
R8103	1-216-089-91		47K	5%	1/10W	R8230	1-216-081-00		22K	5%	1/10W
R8104	1-216-089-91		47K		1/10W	R8231	1-216-089-91		47K	5% 5%	1/10W
		, 0			-,	R8232	1-216-089-91		47K	5%	1/10W
R8105	1-216-057-00		2.2K		1/10W						
R8106	1-216-081-00		22K		1/10W	R8233	1-216-089-91		47K	5%	1/10W
R8107	1-216-081-00		22K		1/10W	R8234	1-216-089-91		47K	5%	1/10W
R8108	1-216-057-00		2.2K		1/10W	R8235	1-216-089-91		47K	5%	1/10W
R8109	1-249-389-11	CARBON	4.7	5%	1/4W F	R8236	1-216-089-91		47K	5%	1/10W
D0110	1 040 000 11	albbo:	4 7	Fr	1 / 477 - 17	R8237	1-216-043-91	RES,CHIP	560	5%	1/10W
R8110	1-249-389-11		4.7		1/4W F	20000	1 010 000 01	DDG 6"""	2 ^	Fo	1 /1 017
R8111	1-216-033-00		220		1/10W	R8238	1-216-063-91				1/10W
R8112	1-216-033-00			5%	1/10W	R8239	1-216-069-00		6.8K		1/10W
R8115	1-216-033-00		220		1/10W	R8240	1-216-651-11				1/10W
R8116	1-216-033-00	RES,CHIP	220	5%	1/10W	R8243 R8300	1-216-021-00 1-216-041-00		68 470	5% 5%	1/10W 1/10W
R8117	1-216-033-00	RES, CHIP	220	5%	1/10W	1,0300	T TIO-041-00	MED / CHIEF	310	J-0	-/ -/1
R8118	1-216-033-00		220		1/10W	R8301	1-216-295-91	SHORT	0		
R8125	1-216-295-91		0		-,	R8302	1-216-017-91		47	5%	1/10W
R8126	1-216-057-00		2.2K	5%	1/10W	R8303	1-216-041-00		470	5%	1/10W
R8127	1-216-113-00		470K		1/10W	R8304	1-216-041-00		470	5%	1/10W
	I 510 113-00	IGO , CHIE	7.01	J 0	1/ 100	R8305	1-216-041-00		1K	5% 5%	1/10W 1/10W
R8128	1-216-049-91	RES, CHIP	1K	5%	1/10W			•			
R8129	1-216-025-91		100	5%	1/10W	R8307	1-216-049-91	RES, CHIP	1K	5%	1/10W
R8130	1-216-025-91		100		1/10W	R8308	1-216-057-00		2.2K	5%	1/10W
R8131	1-216-049-91	,	1K		1/10W	R8309	1-216-049-91		1K	5%	1/10W
R8132	1-216-057-00		2.2K		1/10W	R8310	1-216-057-00	,	2.2K		1/10W
						R8311	1-216-085-00		33K	5%	1/10W
R8133	1-216-113-00		470K	5%	1/10W						
R8165	1-216-295-91		0			R8312	1-216-077-00	RES, CHIP	15K	5%	1/10W
R8167	1-216-025-91		100	5%	1/10W	R8313	1-216-041-00	RES, CHIP	470	5%	1/10W
R8168	1-216-025-91	RES, CHIP	100	5%	1/10W	R8314	1-216-043-91	RES, CHIP	560	5%	1/10W
R8174	1-216-065-91		4.7K		1/10W	R8316	1-216-295-91		0		
						R8317	1-216-025-91		100	5%	1/10W
R8175	1-216-065-91		4.7K		1/10W						
R8200	1-216-049-91	RES,CHIP	1K	5%	1/10W	R8318	1-216-025-91	RES,CHIP	100	5%	1/10W

REF. NO.	PART.NO	DESCRIPT	ION		REMARK	REF. NO.	PART.NO	DESCRIPTION	ON		REMARK	
R8319	1-216-295-91	SHORT	0			R8467	1-216-089-91	RES CHIP	47K	5%	1/10W	
R8320	1-216-295-91		0			R8468	1-216-073-00		10K	5%	1/10W	
R8321	1-216-049-91		1K	5%	1/10W	R8469	1-216-033-00		220	5%	1/10W	
R8322	1-216-049-91		1K	5%	1/10W	R8470	1-216-022-00		75	5%	1/10W	
R8323	1-216-097-91		100K		1/10W	R8472	1-216-089-91		47K	5%	1/10W	
10323	1 210 057 51	RED, CHII	1001	J 0	1/104	10172	1 210 005 51	NED, CHII	4710	30	1/104	
R8325	1-216-041-00		470	5%	1/10W	R8473	1-216-073-00		10K	5%	1/10W	
R8326	1-216-041-00		470	5%	1/10W	R8474	1-216-033-00		220	5%	1/10W	
R8327	1-216-041-00	,	470	5%	1/10W	R8475	1-216-022-00		75	5%	1/10W	
R8328	1-216-041-00		470	5%	1/10W	R8700	1-216-049-91	,	1K	5%	1/10W	
R8329	1-216-041-00	RES,CHIP	470	5%	1/10W	R8701	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R8330	1-216-041-00	RES, CHIP	470	5%	1/10W	R8702	1-216-025-91	RES, CHIP	100	5%	1/10W	
R8331	1-216-041-00		470	5%	1/10W	R8703	1-216-025-91		100	5%	1/10W	
R8332	1-216-041-00		470	5%	1/10W	R8704	1-216-025-91		100	5%	1/10W	
R8333	1-216-041-00		470	5%	1/10W	R8705	1-216-295-91		0		_,	
R8334	1-216-017-91	,	47	5%	1/10W	R8706	1-216-049-91		1K	5%	1/10W	
D0225	1 016 017 01	DEG GUID	47	<b>F</b> 0	1 /101	D0707	1 016 000 01	DEG CUID	4772	E0	1 /1 017	
R8335	1-216-017-91	,	47	5% = ^	1/10W	R8707	1-216-089-91		47K	5% 5°	1/10W	
R8337	1-216-077-00		15K	5% <b>5</b> %	1/10W	R8708	1-216-089-91		47K	5% •°	1/10W	
R8338	1-216-017-91		47	<b>5</b> %	1/10W	R8900	1-216-039-00	,	390	5%	1/10W	
R8339	1-216-017-91		47	5%	1/10W	R8901	1-216-049-91		1K	5%	1/10W	
R8340	1-216-049-91	RES,CHIP	1K	5%	1/10W	R8902	1-216-039-00	RES,CHIP	390	5%	1/10W	
R8343	1-216-041-00	RES, CHIP	470	5%	1/10W	R8903	1-216-089-91	RES CHIP	47K	5%	1/10W	
				•	(KV-32FX60B)	R8904	1-216-089-91		47K	5%	1/10W	
R8344	1-216-041-00	RES, CHIP	470	5%	1/10W	R8905	1-216-113-00		470K		1/10W	
		122/01111		•	(KV-32FX60B)	R8906	1-216-039-00		390	5%	1/10W	
R8345	1-216-033-00	RES, CHIP	220	5%	1/10W	R8907	1-216-057-00		2.2K		1/10W	
1.0010	1 110 000 00	100 / 01111	220	•	(KV-32FX60B)	1.0507	1 110 007 00	1125 / 01111		•	2/ 2011	
					(117 52111005)	R8908	1-216-039-00	RES CHIP	390	5%	1/10W	
R8346	1-216-295-41	SHORT	0			R8909	1-216-049-91		1K	5%	1/10W	
			-	OR/28	FX60D/28FX60E/	R8911	1-216-063-91		3.9K		1/10W	
					BFX60U/32FX60A/	R8913	1-216-022-00		75	5%	1/10W	
					FX60K/32FX60R/	R8914	1-216-071-00		8.2K		1/10W	
		32FX	•	,	,,			,			_,	
						R8915	1-216-022-00	RES,CHIP	75	5%	1/10W	
R8347	1-216-025-91	RES,CHIP	100	5%	1/10W	R8916	1-216-033-00	RES, CHIP	220	5%	1/10W	
					(KV-32FX60B)	R8917	1-216-033-00	RES, CHIP	220	5%	1/10W	
R8348	1-216-295-91	SHORT	0		(KV-32FX60B)	R8918	1-216-113-00	RES, CHIP	470K	5%	1/10W	
R8349	1-216-121-91	RES,CHIP	1M	5%	1/10W	R8919	1-216-057-00	RES, CHIP	2.2K	<b>5</b> %	1/10W	
R8350	1-216-073-00	RES,CHIP	10K	5%	1/10W	20000	1 016 000 00	D=2 4==D		<b>F</b> 0	1 /1 000	
50051	1 016 080 00		4 0	<b>F</b> 0	4 /4 000	R8922	1-216-022-00		75	5%	1/10W	
R8351	1-216-073-00	,	10K		1/10W	R8923	1-216-022-00		75	5% •°	1/10W	
R8352	1-216-089-91	RES, CHIP	47K	5∜	1/10W	R8924	1-216-022-00		75	5% 5°	1/10W	
					(KV-32FX60B)	R8925	1-216-022-00		75	5%	1/10W	
R8353	1-216-081-00	RES,CHIP	22K	5%	1/10W (KV-32FX60B)	R8926	1-216-033-00	RES,CHIP	220	5%	1/10W	
					(RV JZPROVD)	R8927	1-216-033-00	RES.CHIP	220	5%	1/10W	
R8354	1-216-067-00	RES.CHIP	5.6K	5%	1/10W	R8928	1-216-033-00		220	5%	1/10W	
R8355	1-216-057-00	,	2.2K		1/10W	R8929	1-216-039-00		390	5%	1/10W	
R8356	1-216-057-00		2.2K		1/10W	R8930	1-216-049-91		1K	5%	1/10W	
R8450	1-216-089-91		47K		1/10W	R8931	1-216-039-00		390	5%	1/10W	
R8451	1-216-073-00		10K		1/10W		000	,			-, <del></del> -	
		·			·	R8932	1-216-049-91		1K	5%	1/10W	
R8453	1-216-089-91	RES,CHIP	47K	5%	1/10W	R8933	1-216-089-91	RES,CHIP	47K	5%	1/10W	
R8454	1-216-073-00		10K		1/10W	R8934	1-216-089-91		47K	5%	1/10W	
R8455	1-216-057-00		2.2K		1/10W	R8935	1-216-113-00		470K		1/10W	
R8460	1-216-057-00		2.2K		1/10W	R8936	1-216-113-00	RES,CHIP	470K	5%	1/10W	
R8462	1-216-073-00	RES,CHIP	10K	5%	1/10W					_	4.14.6	
						R8937	1-216-039-00	RES,CHIP	390	5%	1/10W	

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REF. NO.	PART.NO	DESCRIPTI	ON	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R8938	1-216-057-00	RES,CHIP	2.2K	5% 1/10W		MI	SCELLANEOUS	
R8939	1-216-039-00	RES, CHIP	390	5% 1/10W		**	*****	
R8940	1-216-057-00		2.2K					
R8941	1-216-063-91	,	3.9K		Δ	1-416-466-11	COIL, DEMAGNETIC (K	V-28FX60)
R8942	1-216-009-00			5% 1/10W		1-416-769-11	COIL, DEMAGNETIC (K	V-32FX60)
D0043	1 016 000 00	DEC CUID	75	50. 1 /1 OTT			MAGNETIC DISK; 10MM	
R8943	1-216-022-00			5% 1/10W			MAGNETIC, ROTATABLE	
R8944	1-216-071-00		8.2K	·		1-453-272-11	TRANSFORMER ASSY, F	
R8945	1-216-022-00			5% 1/10W			(NX-4512)	/U2B4) (KV-28FX60)
R8946	1-216-033-00		220	-,		4 4 44		
R8947	1-216-039-00	RES,CHIP	390	5% 1/10W			SPEAKER (4.8X20CM) SPEAKER (13CM)	
R8948	1-216-049-91	RES, CHIP	1K	5% 1/10W			. COIL, NA ROTATION (	RT200)
R8949	1-216-022-00		75	5% 1/10W				'
R8950	1-216-089-91		47K	•	Λ	1-571-433-21	SWITCH, PUSH (AC PO	WER)
R8951	1-216-033-00		220				CORD, POWER (WITH C	
R8952	1-216-113-00		470K	•		2 5/1 002 02		B/28FX60D/28FX60E/
1.0302	1 110 115 00	120,0111	1701	70 1/1011			28FX60K/28FX60	R/32FX60A/32FX60B/
R8953	1-216-039-00	RES,CHIP	390	5% 1/10W			32FX60D/32FX60	E/32FX60K/32FX60R)
R8954	1-216-057-00	RES,CHIP	2.2K	5% 1/10W				
R8955	1-216-039-00	RES, CHIP	390	5% 1/10W	Δ	1-590-762-21	CORD, POWER (WITH U	K PLUG)
R8956	1-216-049-91	RES, CHIP	1K	5% 1/10W			(K	V-28FX60U/32FX60U)
R8957	1-216-049-91		1K .	5% 1/10W		1-693-338-11	•	
		,		•			(KV-28FX60A/28FX60	B/28FX60D/28FX60E/
R8958	1-216-089-91	RES, CHIP	47K	5% 1/10W				R/32FX60A/32FX60D/
R8959	1-216-022-00			5% 1/10W			32FX60E/32FX60	
R8960	1-216-033-00		220					,,
R8961	1-216-022-00			5% 1/10W		1-693-340-11	. TUNER/VIF (FR) (KV-	32FX60B)
R8963	1-216-113-00		470K	•			. TUNER/VIF (UK) (KV-	
110505	1 210 115 00	iab, ciiii	17010	50 1/10W			PICTURE TUBE (W66LL	
R8964	1-216-039-00	DEC CHID	390	5% 1/10W			PICTURE TUBE (W76LL	
R8965	1-216-057-00		2.2K		4	2 0 100 004 00	TICIONE TODE (WYOLD	(KV-32FX60)
R8968	1-216-022-00			5% 1/10W				(NO 2222 VA)
R8969	1-216-022-00		220	•		1_451_401_11	DEFLECTION YOKE (Y2	ומשעמים /מינים (מינים)
R8977	1-216-033-00			5% 1/10W			DEFLECTION YOKE (Y2	
ROSTI	1-210-037-00	RES, CHIP	330	J6 1/10W			NECK ASSY, NA299-M	0RVC2) (RV-32FA00)
R8978	1-216-037-00	RES, CHIP	330	5% 1/10W	Δ	1-251-317-31	CAP ASSY, HIGH VOLT	AGE
R8979	1-216-045-00	RES, CHIP	680	5% 1/10W				
R8980	1-216-045-00	RES, CHIP	680	5% 1/10 <b>W</b>	*****	*****	******	******
R8981	1-216-085-00	RES, CHIP	33K	5% 1/10W				
R8982	1-216-057-00	RES, CHIP	2.2K			AC	CESSORIES AND PACKAGI	NG MATERIALS (KV-28FX60)
		•				**	******	*****
R8983	1-216-077-00		15K					
R8987	1-216-081-00		22K			4-204-548-41	. MANUAL, INSTRUCTION	
R8988	1-216-081-00		22K	•				(ITALIAN)
R8989	1-216-081-00		22K	•		4-204-548-51	. MANUAL, INSTRUCTION	
R8990	1-216-057-00	RES,CHIP	2.2K	5% 1/10W			·	MAN/ITALIAN/DUTCH)
						4-204-548-11	MANUAL, INSTRUCTION	
R8991	1-216-097-91		100K				(GERMAN/ENGLI	SH/GERMAN/TURKISH)
R8992	1-216-057-00		2.2K					
R8993	1-216-057-00	RES,CHIP	2.2K	5% 1/10W		4-204-548-71	MANUAL, INSTRUCTION	(KV-28FX60E) (SPANISH)
	< CR	YSTAL >				4-204-548-81	. MANUAL, INSTRUCTION	, ,
V0200	1_701 140 01	מסשגמפדע	OVCTAT				· ·	SE/FINNISH/DANISH/
X8200	1-781-148-21	,					NOKWEGIA	N/SWEDISH)
X8300	1-567-504-11					4 004 540 04	MANUAT THOMSONS	/WI 00mvC0v/00mvC0m
X8301	1-567-505-11	,				4-204-548-91	MANUAL, INSTRUCTION	· ·
X8700	1-767-342-21	VIBRATOR, C	KISTAL			4-204-548-61	(RUSSIAN/BULGAR MANUAL, INSTRUCTION	
								(ENGLISH)
						*4-029-168-01	BAG, PROTECTION	
					<u> </u>			

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
	*4-204-451-01	INDIVIDUAL CARTON CUSHION (UPPER) (AS: CUSHION (LOWER) (AS:	•				
*****	******	******	*****				
		CESSORIES AND PACKAGI	NG MATERIALS (KV-32FX60)				
	4-204-561-41	MANUAL, INSTRUCTION	(KV-32FX60A) (ITALIAN)				
	4-204-561-51	MANUAL, INSTRUCTION (FRENCH/GERN	, ,				
	4-204-561-11	MANUAL, INSTRUCTION					
	4-204-561-71		(KV-32FX60E) SE/FINNISH/DANISH/ NORWEGIAN/SWEDISH)				
	4-204-561-91	MANUAL, INSTRUCTION (K	V-32FX60K/32FX60R) IAN/ENGLISH/CZECH)				
	4-204-561-61	MANUAL, INSTRUCTION					
	*4-029-168-01	BAG, PROTECTION	(2002250)				
		INDIVIDUAL CARTON					
	*4-204-387-01	CUSHION (UPPER) (AS	SY)				
	*4-204-388-01	CUSHION (LOWER) (AS	SY)				
*****	******	******	*****				
		MOTE COMMANDER					
	1-418-047-11	REMOTE COMMANDER (RI	M-891)				

# SONY

## **SERVICE MANUAL**

AE-5 CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO.	MODEL	COMMANDER	DEST	CHASSIS NO.
KV-28FX60A	RM-892	ET	SCC-Q12D-A	KV-32FX60A	RM-892	ET	SCC-Q12B-A
KV-28FX60E	RM-892	FR	SCC-Q13D-A	KV-32FX60E	<b>R</b> M-892	FR	SCC-Q13B-A
KV-28FX60L	RM-892	AEP	SCC-Q11D-A	KV-32FX60L	RM-892	AEP	SCC-Q11B-A
KV-28FX60E	RM-892	ESP	SCC-Q14D-A	KV-32FX60E	RM-892	ESP	SCC-Q14B-A
KV-28FX60I	RM-892	OIRT	SCC-Q16F-A	KV-32FX60k	RM-892	OIRT	SCC-Q16A-A
KV-28FX60F	RM-892	OIRT	SCC-Q16E-A	KV-32FX60F	RM-892	OIRT	SCC-Q16B-A
KV-28FX60U	RM-892	UK	SCC-Q15C-A	KV-32FX60U	RM-892	UK	SCC-Q15B-A

### **SUPPLEMENT - 1**

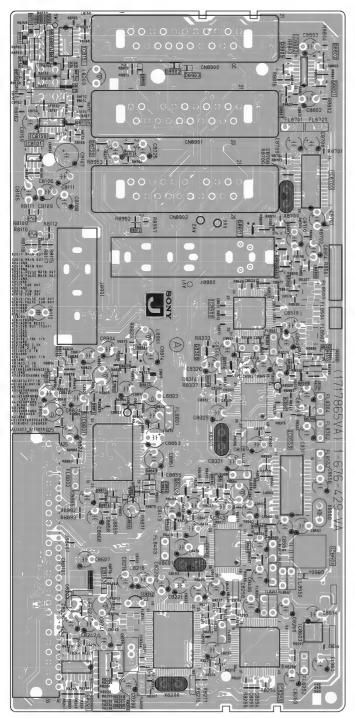
SUBJECT: INTRODUCTION OF NEW J (REFINE) BOARD

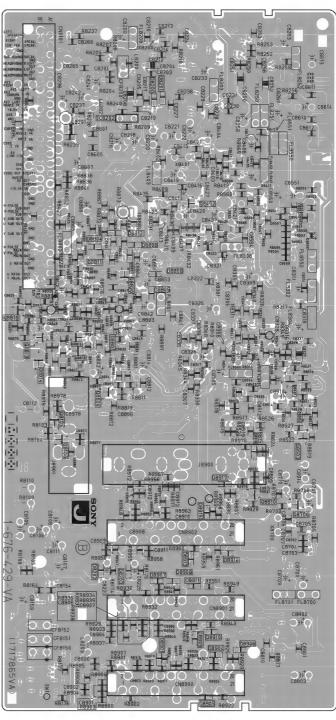
File this supplement with the service manual

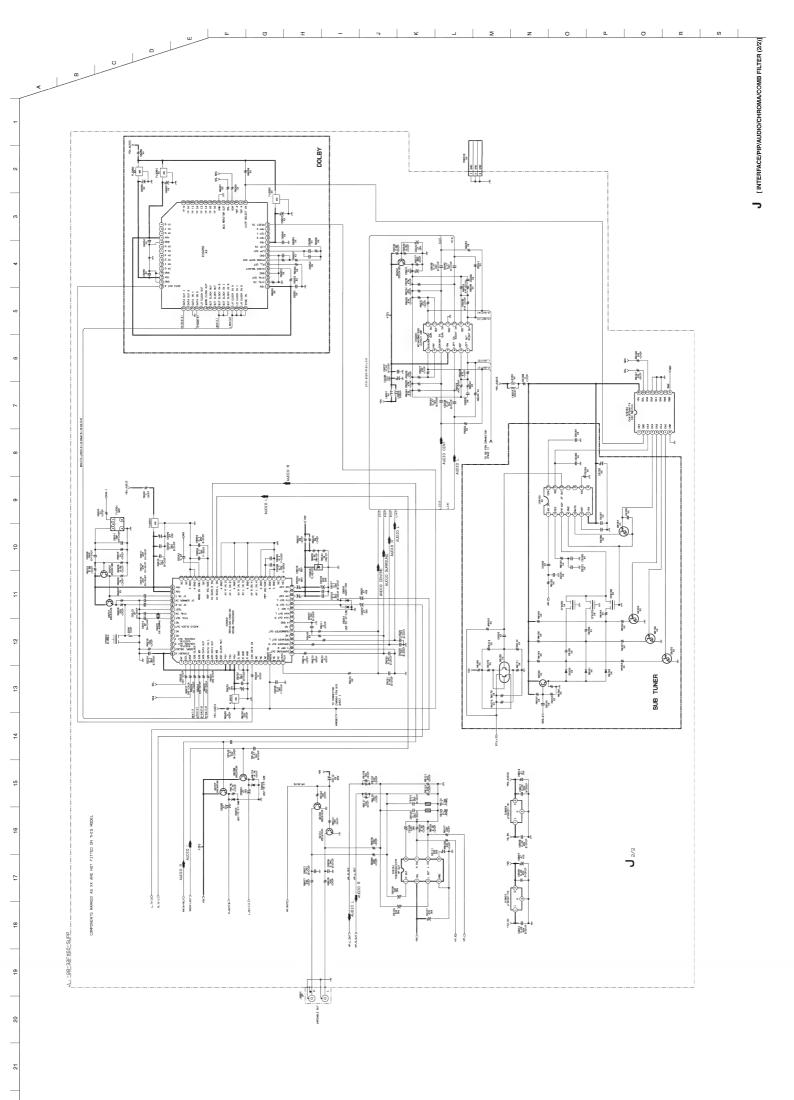
INTRODUCTION: 1. Introduction of new J (refine) board.

**SECTION 5 DIAGRAMS (J Board, Page 63)** 

**SECTION 7 ELECTRICAL PARTS LIST (Page 147)** 







### **ELECTRICAL PARTS LIST**

When indicating parts by reference number, please include the board name.

CAPACITORS MF: mF, PF: mmF COILS

MMH: mH, uH

Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

#### RESISTORS

All resistors are in ohms. F: nonflammable.

Note: Les composants indentifies par une trame et par une marque ∆ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.

REF. NO.	PART.NO	DESCRIPTION		REM	IARK	REF. NO.	PART.NO	DESCRIPT	ON	REM	IARK
Α-	1651-123-A M	OUNTED P	C BOAR	D, J (RE	FINE)	C8224	1-164-004-11	CERAMIC CH	IP 0.1UF	10.00%	25V
	(KV	-28FX60A/28	BFX60B/	28FX60[	<b>D</b> /	C8225	1-104-664-11	ELECT	47UF	20.00%	16V
		X60E/28FX6				C8227	1-163-009-11	CERAMIC CH	IP 0.001UF	10.00%	50V
		X60U/32FX6				C8228	1-163-009-11	CERAMIC CH	IP 0.001UF	10.00%	50V
	32F	X60E/32FX6	0K/32FX	(60R/		C8229	1-163-009-11	CERAMIC CH	IP 0.001UF	10.00%	50V
A-1	651-119-A M	OUNTED PO	BOARD	). J (REI	FINE)						
1		-28FX60B)		5-2-		C8230	1-163-009-11	CERAMIC CH		10.00%	
						C8231	1-163-009-11	CERAMIC CH		10.00%	
	<capacito< td=""><td>)R&gt;</td><td></td><td></td><td></td><td>C8232</td><td>1-164-004-11</td><td>CERAMIC CH</td><td></td><td>10.00%</td><td></td></capacito<>	)R>				C8232	1-164-004-11	CERAMIC CH		10.00%	
						C8233	1-104-664-11	ELECT	47UF	20.00%	
C8105	1-126-933-11	ELECT	100UF	20.00%	16V	C8234	1-107-823-11	CERAMIC CH	IP 0.47UF	10.00%	16V
C8106	1-126-933-11	ELECT	100UF	20.00%	16V						
C8107	1-126-935-11	ELECT	470UF	20.00%	16V	C8235	1-107-823-11	CERAMIC CH		10.00%	
C8108	1-126-933-11	ELECT	100UF	20.00%	16V	C8236	1-126-933-11	ELECT	100UF	20.00%	
C8109	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C8237	1-163-021-91	CERAMIC CH		10.00%	
						C8238	1-164-505-11	CERAMIC CH			16V
C8110	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C8239	1-107-823-11	CERAMIC CH	IP 0.47UF	10.00%	16V
C8111	1-126-933-11	ELECT	100UF	20.00%	16V						
C8112	1-128-551-11	ELECT	22UF	20.00%	25V	C8240	1-107-823-11	CERAMIC CH		10.00%	
C8144	1-107-823-11	CERAMIC CHIP	0.47UF	10.00%	16V	C8241	1-126-964-11	ELECT	10UF	20.00%	
C8145	1-107-823-11	CERAMIC CHIP	0.47UF	10.00%	16V	C8242	1-104-664-11	ELECT	47UF	20.00%	
						C8243	1-110-501-11	CERAMIC CH		10.00%	
C8200	1-104-664-11	ELECT	47UF	20.00%	16V	C8301	1-163-037-11	CERAMIC CH	IP 0.022UF	10.00%	50V
C8201	1-163-241-11	CERAMIC CHIP	39PF	5.00%	50V						
C8202	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C8302	1-163-021-91	CERAMIC CH	IP 0.01UF	10.00%	50V
C8203	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C8303	1-126-933-11	ELECT	100UF	20.00%	16V
C8204	1-164-506-11	CERAMIC CHIP	4.7UF		16V	C8304	1-115-340-11	CERAMIC CH	IP 0.22UF	10.00%	25V
						C8305	1-163-021-91	CERAMIC CH	IP 0.01UF	10.00%	50V
C8205	1-165-319-11	CERAMIC CHIP	0.1UF		50V	C8306	1-107-823-11	CERAMIC CH	IP 0.47UF	10.00%	16V
C8208	1-164-506-11	CERAMIC CHIP	4.7UF		16V						
C8209	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V	C8307	1-115-340-11	CERAMIC CH	IP 0.22UF	10.00%	
C8210	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C8308	1-115-340-11	CERAMIC CH	IP 0.22UF	10.00%	
C8211	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V	C8309	1-126-961-11	ELECT	2.2UF	20.00%	
						C8311	1-104-664-11	ELECT	47UF	20.00%	16V
C8212	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V	C8313	1-163-021-91	CERAMIC CH	IP 0.01UF	10.00%	50V
C8213	1-163-087-00	CERAMIC CHIP	4PF	0.25PF	50V						
C8214	1-163-087-00	CERAMIC CHIP	4PF	0.25PF	50V	C8314	1-163-021-91	CERAMIC CH	IP 0.01UF	10.00%	50V
C8215	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V	C8318	1-104-664-11	ELECT	47UF	20.00%	16V
C8216	1-126-933-11	ELECT	100UF	20.00%	16V	C8321	1-104-664-11		47UF	20.00%	16V
						C8322	1-163-227-11	CERAMIC CH	IP 10PF	0.50PF	50V
C8217	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C8323	1-164-004-11	CERAMIC CH	IP 0.1UF	10.00%	25V
C8218	1-126-964-11	ELECT	10UF	20.00%	50V						
C8219	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C8324	1-164-004-11			10.00%	
C8220	1-126-964-11	ELECT	10UF	20.00%	50V	C8325	1-126-964-11		10UF	20.00%	
C8221	1-104-664-11	ELECT	47UF	20.00%	16V	C8326	1-104-664-11		47UF	20.00%	16V
						C8327	1-107-682-11		IP 1UF	10.00%	16V
C8222	1-104-664-11	ELECT	47UF	20.00%	16V	C8328	1-104-664-11	ELECT	47UF	20.00%	16V
C8223	1-104-664-11	ELECT	47UF	20.00%							

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C8329	1-163-021-91	CERAMIC CHIP 0.01U	F 10.00% 50V	C8706	1-163-235-11	CERAMIC CHIP 22PF	5.00% 50V
C8331	1-163-021-91	CERAMIC CHIP 0.01U		C8707	1-163-235-11	CERAMIC CHIP 22PF	5.00% 50V
C8332	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 35V	C8708	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8333	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8709	1-126-964-11	ELECT 10UF	20.00% 50V
C8334	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8710	1-126-933-11		20.00% 36V 20.00% 16V
C0334	1-104-004-11	CERAMIC CHIP 0.10F	10.00% 254	60710	1-120-933-11	ELECT 1000F	20.00% 100
C8335	1-163-021-91	CERAMIC CHIP 0.01U	F 10.00% 50V	C8801	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8336	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8802	1-104-664-11	ELECT 47UF	20.00% 16V
C8337	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8803	1-104-664-11	ELECT 47UF	20.00% 16V
C8338	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8804	1-126-933-11	ELECT 100UF	20.00% 16V
C8345	1-164-346-11	CERAMIC CHIP 1UF	16V	C8810	1-164-222-11	CERAMIC CHIP 0.22UF	25V
C8346	1-126-963-11	ELECT 4.7UF	20.00% 50V	C8811	1-164-222-11	CERAMIC CHIP 0.22UF	25V
C8424	1-115-340-11	CERAMIC CHIP 0.22U	F 10.00% 25V	C8812	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C8501	1-163-021-91	CERAMIC CHIP 0.01U	F 10.00% 50V	C8814	1-104-664-11	ELECT 47UF	20.00% 25V
C8503	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8822	1-126-933-11	ELECT 100UF	20.00% 16V
C8504	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8825	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
C8505	1-126-933-11	ELECT 100UF	20.00% 16V	C8826	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8506	1-163-037-11	CERAMIC CHIP 0.022		C8827	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8507	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8828	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8508	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8829	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8509	1-126-933-11	ELECT 100UF	20.00% 16V	C8830	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
••••							
C8510	1-104-664-11	ELECT 47UF	20.00% 16V	C8831	1-126-964-11	ELECT 10UF	20.00% 50V
C8511	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8832	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8512	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8833	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8513	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8834	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8514	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8835	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8515	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8836	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8516	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8837	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8517	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8838	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8518	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8839	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C8519	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8840	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8520	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8841	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8521	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C8842	1-104-664-11	ELECT 47UF	20.00% 16V
C8601		CERAMIC CHIP 0.22U	F 10.00% 25V	C8843	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8602		CERAMIC CHIP 0.22U		C8844		CERAMIC CHIP 0.01UF	10.00% 50V
C8605		CERAMIC CHIP 0.22U		C8846	1-126-933-11		20.00% 16V
C8606	1-115-340-11	CERAMIC CHIP 0.22U	F 10.00% 25V	C8847	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C8607	1-104-664-11		20.00% 16V	C8849		CERAMIC CHIP 1UF	16V
C8608	1-104-664-11		20.00% 16V	C8850		CERAMIC CHIP 1UF	16V
C8609		CERAMIC CHIP 0.22U		C8851	1-126-967-11		20.00% 50V
C8610		CERAMIC CHIP 0.22U		C8852		CERAMIC CHIP 1UF	16V
C8611	1_115_240_11	CERAMIC CHIP 0.22U	F 10.00% 25V	C00E2	1-126-967-11	ELECT 47UF	20.00% 50V
C8612		CERAMIC CHIP 0.220		C8853 C8854		CERAMIC CHIP 1UF	20.00% 50V 16V
C8613	1-115-340-11		20.00% 25V			CERAMIC CHIP 1UF	16V 16V
C8614			20.00% 16V	C8855		CERAMIC CHIP TUF	16V 16V
	1-104-664-11			C8856			
C8700	1-126-964-11	ELECT 10UF	20.00% 50V	C8857	1-104-346-11	CERAMIC CHIP 1UF	16V
C8701	1-104-664-11		20.00% 16V	C8858		CERAMIC CHIP 1UF	16V
C8702		CERAMIC CHIP 470PF	5.00% 50V	C8859		CERAMIC CHIP 1UF	16V
C8703		CERAMIC CHIP 0.1UF	10.00% 25V	C8860		CERAMIC CHIP 1UF	16V
C8704		CERAMIC CHIP 0.01U		C8861		CERAMIC CHIP 1UF	16V
C8705	1-163-021-91	CERAMIC CHIP 0.01U	F 10.00% 50V	C8862	1-164-346-11	CERAMIC CHIP 1UF	16V

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C8863	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D8813	8-719-158-49	DIODE UDZ-TE-17-12B	
C8864	1-164-346-11	CERAMIC CHIP 1UF	16V	D8814	8-719-158-49	DIODE UDZ-TE-17-12B	
C8865	1-104-664-11	ELECT 47UF	20.00% 16V	D8900	8-719-056-85	DIODE UDZS-TE17-8.2B	
C8866	1-164-346-11	CERAMIC CHIP 1UF	16V	D8901	8-719-158-49	DIODE UDZ-TE-17-12B	
C8867	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D8902		DIODE UDZS-TE17-8.2B	
C8868	1-126-964-11	ELECT 10UF	20.00% 50V	D8903	8-719-056-85	DIODE UDZS-TE17-8.2B	
C8869	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D8904	8-719-056-85	DIODE UDZS-TE17-8.2B	
C8900	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	D8905	8-719-056-85	DIODE UDZS-TE17-8.2B	
C8901	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V	D8906	8-719-056-85	DIODE UDZS-TE17-8.2B	
C8902	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V	D8907	8-719-158-49	DIODE UDZ-TE-17-12B	
C8903	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	D8908	8-719-056-85	DIODE UDZS-TE17-8.2B	
C8904	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V	D8909	8-719-056-85	DIODE UDZS-TE17-8.2B	
C8905	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	D8910	8-719-056-85	DIODE UDZS-TE17-8.2B	
C8906	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	D8911	8-719-056-85	DIODE UDZS-TE17-8.2B	
C8907	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V	D8912	8-719-158-49	DIODE UDZ-TE-17-12B	
C8908	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	D8913		DIODE UDZ-TE-17-12B	
C8909	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V	D8914	8-719-158-49	DIODE UDZ-TE-17-12B	
C8910	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	D8915	8-719-158-49	DIODE UDZ-TE-17-12B	
C8911	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V				
C8914	1-126-933-11	ELECT 100UF	20.00% 16V		<filter></filter>		
C8977	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V	FL8200	1-236-071-11	ENCAPSULATED COMPONENT	
C8978	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V	FL8201	1-233-764-21	FILTER	
				FL8203	1-236-071-11	ENCAPSULATED COMPONENT	
	<filter></filter>			FL8302	1-236-071-11	ENCAPSULATED COMPONENT	
				FL8304	1-236-071-11	ENCAPSULATED COMPONENT	
CF8200	1-781-328-21	TRAP, CERAMIC					
				FL8308		ENCAPSULATED COMPONENT	
	<connecto< td=""><td>)R&gt;</td><td></td><td>FL8500</td><td></td><td>ENCAPSULATED COMPONENT</td><td></td></connecto<>	)R>		FL8500		ENCAPSULATED COMPONENT	
				FL8501		ENCAPSULATED COMPONENT	
CN8101		CONNECTOR, BOARD TO BOA	RD 50P	FL8502	1-233-765-21		
CN8900		SOCKET, PIN 21P		FL8503	1-233-768-21	FILTER	
CN8901	1-695-293-11						
CN8902	1-695-293-11	SOCKET 21P		FL8504	1-233-766-21		
				FL8700		ENCAPSULATED COMPONENT	
	<diode></diode>			FL8701		ENCAPSULATED COMPONENT	
20000	0 510 150 10	D-00 17 100		FL8801		ENCAPSULATED COMPONENT	
D8200		DIODE UDZ-TE-17-12B		FL8802	1-236-071-11	ENCAPSULATED COMPONENT	
D8201		DIODE UDZ-TE-17-12B			4 <b>7</b> 65		
D8202		DIODE UDZ-TE-17-12B			<ic></ic>		
D8203		DIODE UDZ-TE-17-12B			0 950 550 55	TO MD100000010=	
D8801	8-719-158-49	DIODE UDZ-TE-17-12B		IC8101		IC TDA2822D013TR	
2000	0 840 450 45	DTADE 110 - 45 44-		IC8151		IC CXA1875AM-T4	
D8802		DIODE UDZ-TE-17-12B		IC8200		IC MSP3410D-C5QA-B4	
D8803		DIODE UDZ-TE-17-12B		IC8201		IC MC3403NS-E20	
D8804		DIODE UDZ-TE-17-12B		IC8202	8-759-908-15	IC TL431CZ	
D8805		DIODE UDZ-TE-17-12B			0 HF0 444 55	=	
D8806	8-719-158-49	DIODE UDZ-TE-17-12B		IC8301		IC CXA2163Q-T6	
2000-	0 740 470 47	DTADE 110 45 440		IC8302		IC TC7SET08FU(TE85R)	
D8807		DIODE UDZ-TE-17-12B		IC8500		IC CXD2064Q-T6	
D8808		DIODE UDZ-TE-17-12B		IC8601		IC LF90CDT-TR	
D8809		DIODE UDZ-TE-17-12B		IC8602	8-759-576-72	IC LF50CDT-TR	
D8810		DIODE UDZ-TE-17-12B			A H=A === ==		
D8811	8-719-158-49	DIODE UDZ-TE-17-12B		IC8603		IC LF50CDT-TR	
D0010	0 710 170 10	DTADE 1102 Mg 42 402		IC8604		IC LF50CDT-TR	
D8812	8-719-158-49	DIODE UDZ-TE-17-12B		IC8700	8-752-390-35	IC CXD2057M-T6	

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION			REMARK
IC8801	8-752-096-83	IC CXA2149AQ-TL		R8106	1-216-081-00	RES-CHIP	22K	5%	1/10W
IC8802	8-759-385-76	IC MC14052BDR2		R8107	1-216-081-00	RES-CHIP	22K	5%	1/10W
				R8108	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
	<jack></jack>			R8109	1-249-389-11	CARBON	4.7	5%	1/4W
				R8110	1-249-389-11		4.7	<b>5</b> %	1/4W
J8901	1-774-747-11	JACK BLOCK, PIN							
				R8111	1-216-033-00		220	5%	1/10W
	<chip con<="" td=""><td>DUCTOR&gt;</td><td></td><td>R8112</td><td>1-216-033-00</td><td></td><td>220</td><td>5%</td><td>1/10W</td></chip>	DUCTOR>		R8112	1-216-033-00		220	5%	1/10W
				R8115	1-216-029-00	RES-CHIP	150	5%	1/10W
JR8401	1-216-295-11	SHORT 0		R8116	1-216-029-00	RES-CHIP	150	5%	1/10W
				R8117	1-216-029-00	RES-CHIP	150	5%	1/10W
	<coil></coil>			20110	1 016 000 00	222 222	150	<b>F</b> 0	1 /1 0**
				R8118	1-216-029-00		150	5%	1/10W
L8200	1-412-006-31			R8165	1-216-295-11		0		
L8202	1-408-615-31			R8167	1-216-025-11		100	5%	1/10W
L8203	1-408-615-31	INDUCTOR 100UH		R8168	1-216-025-11	RES-CHIP	100	5%	1/10W
				R8174	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
	<transist< td=""><td>OR&gt;</td><td></td><td>D017E</td><td>1-216-065-91</td><td>DEC_CUIT</td><td>1 70</td><td>E 0.</td><td>1 /1 017</td></transist<>	OR>		D017E	1-216-065-91	DEC_CUIT	1 70	E 0.	1 /1 017
00100	0 700 100 00	mnaugramon 00004100 = 44	C D	R8175			4.7K		1/10W
Q8100	8-729-120-28	TRANSISTOR 2SC2412K-T-14		R8200	1-216-049-11		1K	5%	1/10W
Q8101	8-729-120-28	TRANSISTOR 2SC2412K-T-14		R8201	1-216-295-11		0		4.44.5
Q8156	8-729-120-28	TRANSISTOR 2SC2412K-T-14		R8202	1-216-021-00		68	5%	1/10W
Q8157	8-729-120-28	TRANSISTOR 2SC2412K-T-14		R8203	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
Q8200	8-729-120-28	TRANSISTOR 2SC2412K-T-14	6-R				4	••	4 /4 0
				R8204	1-216-049-11		1K	5%	1/10W
Q8201	8-729-120-28	TRANSISTOR 2SC2412K-T-14	6-R	R8205	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
Q8202	8-729-120-28	TRANSISTOR 2SC2412K-T-14	6-R	R8206	1-216-049-11	RES-CHIP	1K	5%	1/10W
Q8300	8-729-026-49	TRANSISTOR 2SA1037AK-T14	6-R	R8208	1-216-037-00	RES-CHIP	330	5%	1/10W
Q8302	8-729-120-28	TRANSISTOR 2SC2412K-T-14	6-R	R8209	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W
Q8303	8-729-120-28	TRANSISTOR 2SC2412K-T-14	6-R						
				R8210	1-216-025-11	RES-CHIP	100	5%	1/10W
Q8305	8-729-120-28	TRANSISTOR 2SC2412K-T-14	6-R	R8211	1-216-295-11	SHORT	0		
Q8306	8-729-120-28	TRANSISTOR 2SC2412K-T-14	6-R	R8212	1-216-295-11	SHORT	0		
Q8308	8-729-038-96	TRANSISTOR IMZ1A-T109		R8213	1-216-295-11	SHORT	0		
Q8309	8-729-038-96	TRANSISTOR IMZ1A-T109		R8214	1-216-295-11	SHORT	0		
Q8310	8-729-038-96	TRANSISTOR IMZ1A-T109							
-				R8216	1-216-025-11	RES-CHIP	100	5%	1/10W
Q8501	8-729-026-49	TRANSISTOR 2SA1037AK-T14	6-R	R8217	1-216-025-11	RES-CHIP	100	5%	1/10W
Q8503	8-729-026-49			R8218	1-216-049-11		1K	5%	1/10W
Q8504	8-729-026-49			R8219	1-216-025-11		100	5% 5%	1/10W
Q8700	8-729-120-28	TRANSISTOR 2SC2412K-T-14		R8220	1-216-025-11		100	5%	1/10W
Q8700 Q8801	8-729-120-28			70220	1-210-023-11	VEO-CUIL	100	٥٦	1/10W
****	0 .25 020 45		- •	R8221	1-216-025-11	RES-CHIP	100	5%	1/10W
Q8802	8-729-026-49	TRANSISTOR 2SA1037AK-T14	6-R	R8222	1-216-295-11		0		
Q8805	8-729-026-49			R8223	1-216-089-11		47K	5%	1/10W
Q8807	8-729-026-49			R8224	1-216-089-11		47K	ა 5%	1/10W 1/10W
Q8809									
Q8809 Q8817	8-729-026-49 8-729-120-28			R8225	1-216-089-11	VE9-CUIL	47K	5%	1/10W
XOOT!	0 123 120-20	1.5m01010K 2002412K-1-14	V 10	R8226	1-216-089-11	RES-CHIP	47K	5%	1/10W
Q8818	8-729-120-28	TRANSISTOR 2SC2412K-T-14	6-R	R8227	1-216-089-11		47K	5% 5%	1/10W
Q8819	8-729-120-28			R8228	1-216-089-11		47K	ა 5%	1/10W 1/10W
								٥٦	T/ TOM
Q8901	8-729-120-28	TRANSISTOR 2SC2412K-T-14		R8229	1-216-295-11		0	E0	1 /1 057
Q8902	8-729-026-49	TRANSISTOR 2SA1037AK-T14	0-K	R8230	1-216-081-00	KES-CHIP	22K	5%	1/10W
	<resistor< td=""><td>&gt;</td><td></td><td>R8231</td><td>1-216-089-11</td><td>RES-CHIP</td><td>47K</td><td>5%</td><td>1/10W</td></resistor<>	>		R8231	1-216-089-11	RES-CHIP	47K	5%	1/10W
	/ME31310F	•		R8232	1-216-089-11		47K	5%	1/10W 1/10W
R8103	1-216-075-00	RES-CHIP 12K 5%	1/10W	R8233	1-216-089-11		47K	5%	1/10W 1/10W
R8104	1-216-075-00 1-216-057-00		1/10W 1/10W	R8234 R8235	1-216-089-11 1-216-089-11		47K 47K	5% 5%	1/10W 1/10W
R8105	1 01C 0E7 00	DEC OUTD 9 99 E0.	7 /7 (167		1 11 C 000 11	DEC CHIT	4717	E 0.	1 / 1 / 157

REF.NO.	PART.NO	DESCRIPTION			REMARK	REF.NO.	PART.NO	DESCRIPTION			REMARK
R8236	1-216-089-11	RES-CHIP	47K	5%	1/10W	R8517	1-216-295-11	SHORT	0		
R8237	1-216-043-91	RES-CHIP	560	5%	1/10W	R8519	1-216-037-00	RES-CHIP	330	5%	1/10W
R8238	1-216-063-91	RES-CHIP	3.9K	5%	1/10W	R8520	1-216-041-00	RES-CHIP	470	<b>5</b> %	1/10W
R8239	1-216-069-00	RES-CHIP	6.8K	5%	1/10W	R8521	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R8240	1-208-782-11	METAL CHIP	1K	0.5%	1/10W	R8522	1-216-041-00	RES-CHIP	470	5%	1/10W
R8243	1-216-021-00	RES-CHIP	68	5%	1/10W	R8523	1-216-033-00	RES-CHIP	220	5%	1/10W
R8300	1-216-295-11		0		-,	R8524	1-216-295-11		0		_,
R8302	1-216-017-91		47	5%	1/10W	R8526	1-216-061-00		3.3K	5%	1/10W
R8306	1-216-083-00		27K	5%	1/10W	R8527	1-216-047-91		820	5%	1/10W
R8307	1-216-049-11		1K	5%	1/10W	R8528	1-216-047-91		820	5%	1/10W
R8308	1-216-039-00	RES-CHIP	390	5%	1/10W	R8529	1-216-055-00	RES-CHIP	1.8K	5%	1/10W
R8309	1-216-049-11		1K	5%	1/10W	R8530	1-216-051-00		1.2K		1/10W
R8310	1-216-037-00	RES-CHIP	330	5%	1/10W	R8531	1-216-053-00		1.5K		1/10W
R8312	1-216-091-00	RES-CHIP	56K	5%	1/10W	R8532	1-216-049-11		1K	5% 5%	1/10W
R8313	1-216-081-00		22K	5%	1/10W	R8700	1-216-049-11		1K	5% 5%	1/10W
10313	1 210 001 00	NED CITT	ZZIX	30	1/10#	10700	1 210 045 11	NED CITT	111	30	1/1011
R8314	1-216-295-11		0			R8701	1-216-073-00		10K	5%	1/10W
R8316	1-216-037-00		330	5%	1/10W	R8702	1-216-025-11		100	5%	1/10W
R8317	1-216-295-11		0			R8703	1-216-025-11		100	5%	1/10W
R8318	1-216-295-11	SHORT	0			R8704	1-216-025-11		100	5%	1/10W
R8319	1-216-295-11	SHORT	0			R8705	1-216-295-11	SHORT	0		
R8320	1-216-041-00	RES-CHIP	470	5%	1/10W	R8706	1-216-049-11	RES-CHIP	1K	5%	1/10W
R8322	1-216-049-11	RES-CHIP	1K	5%	1/10W	R8707	1-216-089-11	RES-CHIP	47K	5%	1/10W
R8323	1-216-017-91	RES-CHIP	47	5%	1/10W	R8708	1-216-081-00	RES-CHIP	22K	5%	1/10W
R8324	1-216-041-00	RES-CHIP	470	5%	1/10W	R8709	1-216-059-00	RES-CHIP	2.7K	5%	1/10W
R8326	1-216-017-91	RES-CHIP	47	5%	1/10W	R8801	1-216-089-11	RES-CHIP	47K	5%	1/10W
R8328	1-216-025-11	RES-CHIP	100	5%	1/10W	R8802	1-216-073-00	RES-CHIP	10K	5%	1/10W
R8329	1-216-025-11	RES-CHIP	100	5%	1/10W	R8803	1-216-089-11	RES-CHIP	47K	5%	1/10W
R8330	1-216-041-00	RES-CHIP	470	5%	1/10W	R8804	1-216-073-00	RES-CHIP	10K	5%	1/10W
R8331	1-216-041-00	RES-CHIP	470	5%	1/10W	R8805	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R8332	1-216-041-00	RES-CHIP	470	5%	1/10W	R8806	1-216-085-00	RES-CHIP	33K	5%	1/10W
R8333	1-216-041-00	RES-CHIP	470	5%	1/10W	R8807	1-216-089-11	RES-CHIP	47K	5%	1/10W
R8334	1-216-041-00		470	5%	1/10W	R8810	1-216-065-91		4.7K		1/10W
R8336	1-216-041-00		470	5%	1/10W	R8813	1-216-073-00	RES-CHIP		5%	1/10W
R8337	1-216-041-00	RES-CHIP	470	5%	1/10W	R8816	1-216-089-11		47K	5%	1/10W
R8338	1-216-017-91	RES-CHIP	47	5%	1/10W	R8817	1-216-073-00	RES-CHIP	10K	5%	1/10W
R8339	1-216-017-91	RES-CHIP	47	5%	1/10W	R8820	1-216-295-11	SHORT	0		
R8340	1-216-063-91		3.9K		1/10W	R8821	1-216-089-11		47K	5%	1/10W
R8341	1-216-041-00		470	5%	1/10W	R8822	1-216-073-00			5% 5%	1/10W
R8344	1-216-091-00		56K	5%	1/10W	R8826	1-216-051-00		1.2K		1/10W
R8345	1-216-079-00		18K	5%	1/10W	R8836	1-216-025-11		100		1/10W
R8346	1-216-091-00	RES-CUID	56K	5%	1/10W	R8846	1-216-295-11	SHORT	0		
R8347	1-216-091-00		18K	ა 5%	1/10W 1/10W	R8854	1-216-293-11			5%	1/10W
R8506	1-216-079-00		56K	5%	1/10W 1/10W	R8855	1-216-029-00			5% 5%	1/10W 1/10W
R8507	1-216-091-00		0	J-0	1/1011	R8856	1-216-051-00		1.8K		1/10W 1/10W
R8508	1-216-293-11		560	5%	1/10W	R8857	1-216-033-00		1.on 47K		1/10W 1/10W
00000	1-210-043-31	VEO-CUIL	200	Jo	1/10#	10007	T-710-002-11	VEO_CUIL	7/1	Jo	1/10 <b>m</b>
R8509	1-216-031-00	RES-CHIP	180	5%	1/10W	R8858	1-216-079-00	RES-CHIP	18K	5%	1/10W
R8510	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	R8859	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R8511	1-216-049-11	RES-CHIP	1K	5%	1/10W	R8864	1-216-295-11	SHORT	0		
R8512	1-216-295-11	SHORT	0			R8865	1-216-023-00	RES-CHIP	82	5%	1/10W
R8514	1-216-017-91	RES-CHIP	47	5%	1/10W	R8866	1-216-022-00	RES-CHIP	75	5%	1/10W
					!						

REF.NO.	PART.NO	DESCRIPTION			REMARK	REF.NO.	PART.NO	DESCRIPTION			REMARK
R8867	1-216-049-11	RES-CHIP	1K	5%	1/10W	R8931	1-216-039-00	RES-CHIP	390	5%	1/10W
R8868	1-216-033-00	RES-CHIP	220	<b>5</b> %	1/10W	R8932	1-216-049-11		1K	5%	1/10W
R8869	1-216-033-00	RES-CHIP	220	<b>5</b> %	1/10W	R8933	1-216-089-11		47K	5%	1/10W
R8870	1-216-295-11	SHORT	0	•	-, - v	R8934	1-216-089-11		47K	5%	1/10W
R8871	1-216-049-11		1K	5%	1/10W	R8935	1-216-113-00		470K	5%	1/10W
10071	1 210 045 11	ALD CIII	111	30	1/1011	1.0555	1 210 113 00	ALD CHII	1/01	30	1/10#
R8872	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R8936	1-216-113-00	RES-CHIP	470K	5%	1/10W
R8873	1-216-113-00	RES-CHIP	470K	5%	1/10W	R8937	1-216-035-00	RES-CHIP	270	5%	1/10W
R8874	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R8938	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R8875	1-216-113-00	RES-CHIP	470K	5%	1/10W	R8939	1-216-035-00	RES-CHIP	270	5%	1/10W
R8876	1-216-093-91	RES-CHIP	68K	5%	1/10W	R8940	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R8877	1-216-093-91	RES-CHIP	68K	5%	1/10W	R8941	1-216-025-11	RES-CHIP	100	5%	1/10W
R8878	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R8942	1-216-009-91	RES-CHIP	22	5%	1/10W
R8879	1-216-689-11	METAL CHIP	39K	0.5%	1/10W	R8943	1-216-022-00		75	5%	1/10W
R8880	1-216-295-11	SHORT	0		-,	R8944	1-216-071-00		8.2K	5%	1/10W
R8881	1-216-089-11		47K	5%	1/10W	R8945	1-216-022-00		75	5%	1/10W
20000	1 016 070 00	DDG 687D	10**	Fo	1 /1 0**	70046	1 016 000 00	DEG 6017D	000	<b>F</b> 0	1 /1 0**
R8882	1-216-079-00	RES-CHIP	18K	5%	1/10W	R8946	1-216-033-00		220	5% E°	1/10W
R8883	1-216-663-11	METAL CHIP	3.3K	0.5%	1/10W	R8947	1-216-039-00	RES-CHIP	390	5% 	1/10W
R8885	1-216-663-11	METAL CHIP	3.3K	0.5%	1/10W	R8948	1-216-049-11	RES-CHIP	1K	5% 	1/10W
R8888	1-216-033-00	RES-CHIP	220	5%	1/10W	R8949	1-216-022-00	RES-CHIP	75	<b>5</b> %	1/10W
R8889	1-216-033-00	RES-CHIP	220	5%	1/10W	R8950	1-216-089-11	RES-CHIP	47K	5%	1/10W
R8890	1-216-295-11	SHORT	0			R8951	1-216-033-00	RES-CHIP	220	5%	1/10W
R8892	1-216-295-11	SHORT	0			R8952	1-216-113-00	RES-CHIP	470K	5%	1/10W
R8893	1-216-295-11	SHORT	0			R8953	1-216-035-00	RES-CHIP	270	5%	1/10W
R8900	1-216-039-00	RES-CHIP	390	5%	1/10W	R8954	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R8901	1-216-049-11		1K	5%	1/10W	R8955	1-216-039-00		390	5%	1/10W
K0901	1-210-049-11	KES-CHIF	11/	J.0	1/10#	10933	1-210-039-00	RES-CHIP	330	J*	1/10#
R8902	1-216-039-00	RES-CHIP	390	5%	1/10W	R8956	1-216-049-11	RES-CHIP	1K	5%	1/10W
R8903	1-216-089-11	RES-CHIP	47K	5%	1/10W	R8957	1-216-025-11	RES-CHIP	100	5%	1/10W
R8904	1-216-089-11	RES-CHIP	47K	5%	1/10W	R8958	1-216-089-11	RES-CHIP	47K	5%	1/10W
R8905	1-216-113-00	RES-CHIP	470K	5%	1/10W	R8959	1-216-022-00	RES-CHIP	75	5%	1/10W
R8906	1-216-035-00	RES-CHIP	270	5%	1/10W	R8960	1-216-033-00	RES-CHIP	220	5%	1/10W
R8907	1-216-057-00	RES-CHIP	2.2K	<b>5</b> %	1/10W	R8961	1-216-022-00	RES-CHIP	75	5%	1/10W
R8908	1-216-035-00		270	5%	1/10W	R8962	1-216-071-00		8.2K		1/10W
R8909	1-216-049-11		1K	5%	1/10W	R8963	1-216-113-00		470K		1/10W
R8911	1-216-025-11		100	5%	1/10W	R8964	1-216-035-00		270	5%	1/10W
R8913	1-216-023-11		75	5% 5%	1/10W	R8965	1-216-057-00		2.2K		1/10W
K0313	1-210-022-00	KES-CHIP	13	Jo	1/10W	K0903	1-210-037-00	RES-CHIP	2.21	Jo	1/10W
R8914	1-216-071-00	RES-CHIP	8.2K	5%	1/10W	R8968	1-216-022-00	RES-CHIP	75	5%	1/10W
R8915	1-216-022-00		75	5%	1/10W	R8969	1-216-033-00		220	5%	1/10W
R8916	1-216-033-00		220	5%	1/10W	R8974	1-216-057-00		2.2K	5%	1/10W
R8917	1-216-033-00		220	5%	1/10W	R8977	1-216-037-00		330	5%	1/10W
R8918	1-216-113-00		470K		1/10W	R8978	1-216-037-00		330	5%	1/10W
D0010	1_016 057 00	DEC_CUID	9 917	<b>E</b> 0.	1 /1 0W	D0070	1_016 045 00	DEC_CUID	600	E0	1 /1 /1
R8919	1-216-057-00		2.2K		1/10W	R8979	1-216-045-00		680	5% = °	1/10W
R8922	1-216-022-00		75 75	5% = 0.	1/10W	R8980	1-216-045-00		680	5% = 0.	1/10W
R8923	1-216-022-00		75 75	5% = 0	1/10W	R8981	1-216-089-11		47K	5% F°	1/10W
R8924	1-216-022-00		75 75	5% = 0	1/10W	R8982	1-216-079-00		18K	5% •°	1/10W
R8925	1-216-022-00	RES-CHIP	75	5%	1/10W	R8994	1-216-073-00	RES-CHIP	10K	5%	1/10W
R8926	1-216-033-00		220	5%	1/10W	R8995	1-216-089-11	RES-CHIP	47K	5%	1/10W
R8927	1-216-033-00	RES-CHIP	220	5%	1/10W	R8996	1-216-059-00	RES-CHIP	2.7K	5%	1/10W
R8928	1-216-033-00	RES-CHIP	220	5%	1/10W						
R8929	1-216-039-00	RES-CHIP	390	5%	1/10W						
R8930	1-216-049-11	RES-CHIP	1K	5%	1/10W						

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
	<crystal></crystal>	•					
X8200		VIBRATOR, CRYSTAL					
X8301 X8700		VIBRATOR, CRYSTAL VIBRATOR, CRYSTAL					
10700	1 707 542 21	VIDIGITOR, ORIDINE					
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